

#1

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 07, 2023 3:08:46 PM
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Time Spent: 00:04:31
IP Address: 174.234.9.119

Page 2: A. Overview

Q1

Your full name (optional):

Tim Murphy

Q2

Your email address (optional):

Timmurphy5000

Q3 Respondent skipped this question

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 No

Do you consider yourself a first nation/indigenous person (optional):

Q6 Respondent skipped this question

In which province do you primarily live in?

Q7 Respondent skipped this question

What district/metropolitan municipality do you live in?

Q8 Respondent skipped this question

Your profession – check all that apply

Q9 Respondent skipped this question

How long have you been involved in the wildfire industry?

Q10

Respondent skipped this question

What are the three most unwanted effects of wildland fires in South Africa?

Q11

Respondent skipped this question

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

Q12

Respondent skipped this question

What are three aspects of wildland fire management that are most successful in South Africa?

Q13

Respondent skipped this question

What are three aspects of wildland fire management that could use improvement in South Africa?

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Respondent skipped this question

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Respondent skipped this question

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#2

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 07, 2023 4:19:48 PM
Last Modified: Friday, July 07, 2023 4:40:40 PM
Time Spent: 00:20:51
IP Address: 170.144.193.112

Page 2: A. Overview

Q1

Your full name (optional):

Louis Fleming

Q2

Your email address (optional):

louis.fleming@usda.gov

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Eastern Cape

In which province do you primarily live in?

Q7

Alfred Nzo District Municipality

What district/metropolitan municipality do you live in?

Q8

c. Wildland Firefighter

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **loss of life**
 2. **destruction of property**
 3. **loss of commercial timber**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **nutrient cycling**
 2. **positive effects on fire dependent species**
 3. **reduction of fuel loading**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **fire protection associations**
 2. **fire detection**
 3. **number of resources for suppression**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **further development of IMTs**
 2. **continued integration of ICS with agencies on the fringes of fire management**
 3. **improvement of fire danger rating system**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **development of ICS**
 2. **fire management resources**
 3. **fire detection systems**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **grass**
 2. **timber**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. accidental ignitions
2. fuel reduction escapes

Q18

Fuel Management

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

ecological renewal

Q20

What negative ecological effects result from wildland fire?

opportunity for invasive species to gain a foothold

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#3

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 11:57:50 AM
Last Modified: Thursday, July 13, 2023 12:19:52 PM
Time Spent: 00:22:01
IP Address: 197.184.176.127

Page 2: A. Overview

Q1

Your full name (optional):

Michelle Teressa Kleinhans

Q2

Your email address (optional):

michelle@dynamicincident.co.za

Q3

Your gender (optional):

Female

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Gauteng

In which province do you primarily live in?

Q7

City of Tshwane Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

j. Lecturer,

m. Consultant,

Other (please specify):

Emergency Management Team Service Provider

Q9

6 – 9 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life, stock and environment**
2. **Lack of community preparedness**
3. **Lack of proper incident management over extended incidents**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Sustainability of environment**
2. **Community involvement and preparedness**
3. **Proper INTEGRATED Incident Management on ALL fires as well as prescribed fires**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Assessment of areas**
2. **Well developed for smaller incidents**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Integrated Fire Management on all levels
 2. Proper Trained and qualified IMT member, not just as one think it should be
 3. Proper implementation of systems for Incident Command especially on complex and extended incidents
-

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Urban interface fuels
 2. Mixed vegetation
 3. Veld
 4. Slopes
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Moist Grassland,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. Negligence
 2. Protests
-

Q18

Unrest

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

new growth on certain species

Q20

What negative ecological effects result from wildland fire?

Loss of ground cover and allows for ground sliding

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Urban interface fires, Gauteng areas**
 2. **Information or reports sharing not always accessible for use for further research**
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#4

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 11:53:49 AM
Last Modified: Thursday, July 13, 2023 12:21:50 PM
Time Spent: 00:28:01
IP Address: 165.73.160.41

Page 2: A. Overview

Q1

Your full name (optional):

Charl du Plessis

Q2

Your email address (optional):

charl@cederberfpa.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7 West Coast District Municipality

What district/metropolitan municipality do you live in?

Q8

Other (please specify):

Your profession – check all that apply

Manager of a Fire Protection Association

Q9

12 – 15 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of lives**
 2. **Impacts on socio-economic well-being**
 3. **Impacts on biodiversity values and services**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Create fire safe areas**
 2. **Improve water yield**
 3. **Improve biodiversity values and services**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Relative good working relationships**
 2. **Capacity in terms of fire fighting services**
 3. **Well established and operational Fire protection Associations (FPA) in some areas**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Funding to fire prevention**
 2. **Funding to FPA's that enable management on property level**
 3. **Training and fire fighting capacity at grass root level**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **How to engage with landowners using the FPA model**
 2. **Coordination and co-operation between various institutions**
 3. **How to align resource allocations**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Natural - Fynbos**
 2. **Stubble - wheat production areas**
 3. **Grazing areas**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Controlled fires that spread**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity and increase in ecosystem services

Q20

What negative ecological effects result from wildland fire?

Decrease in ecosystem services

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Impact of large fires on ecosystem services
 2. Effect of extinguishing all fires within an hour
 3. Cost of extinguishing wildland fires VS other approaches
-

Q23

Strongly disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#5

COMPLETE

| | |
|-----------------------|-------------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Friday, July 07, 2023 10:23:49 AM |
| Last Modified: | Thursday, July 13, 2023 12:22:56 PM |
| Time Spent: | Over a day |
| IP Address: | 41.193.220.146 |

Page 2: A. Overview

Q1

Your full name (optional):

Dean Ferreira

Q2

Your email address (optional):

deanf@ncc-group.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

c. Wildland Firefighter,

f. Nature Conservator,

m. Consultant

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of species**
 2. **Loss of life**
 3. **Loss to the economy**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Maintenance of biodiversity**
 2. **Reduction in wildfire risk**
 3. **Removal of invasive alien plant species**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Initial Attack**
 2. **Extinguishing many fires without access to water**
 3. **Well trained and capable wildfire crews**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Wildfire crew leadership**
 2. **Rate of spread models**
 3. **Agencies working collaboratively**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Specialized wildfire crews**
 2. **WUI risk assessments**
 3. **Contract crews**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Invasive alien vegetation**
 3. **Pine plantations**
 4. **Renosterveld**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sweet Grassland,
Fynbos,
Renosterveld,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. **Vagrant fires**
 2. **Naughty children**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity

Q20

What negative ecological effects result from wildland fire?

Species loss

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Fuel models
2. Rate of spread models

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

- Q24** Somewhat disagree

There are national or regional wildland fire prevention and fire management programs or plans.

- Q25** Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

- Q26** Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

- Q27** Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#6

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 12:25:39 PM
Last Modified: Thursday, July 13, 2023 12:50:06 PM
Time Spent: 00:24:27
IP Address: 105.186.194.10

Page 2: A. Overview

Q1

Your full name (optional):

Lee Child

Q2

Your email address (optional):

lchild@qorusdocs.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

d. Volunteer Firefighter,

Your profession – check all that apply

Other (please specify):

Information Technology

Q9

3 – 6 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Destruction of pristine environments**
 2. **Damage to sensitive local species**
 3. **Damage to ecologically sensitive areas**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Clearing space for re-growth**
 2. **Activating the seeding process for certain plants**
 3. **destruction of alien vegetation**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Training of firefighters**
 2. **co-ordination of various role players**
 3. **Availability of resource to work on fires**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Funding for improvement**
 2. **Updated equipment / training methods**
 3. **Support from Government**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Experience**
 2. **Training**
 3. **Mentorship**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Alien species - Port Jackson etc**
 3. **Wild Grasses**
 4. **Plantation trees**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Arid Woodland,
Sparse Arid Woodland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Cooking fires**
 2. **Arson**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Re-growth, seeding, clearing of old growth

Q20

What negative ecological effects result from wildland fire?

Destruction of sensitive / young plants and animals

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23**Somewhat agree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Neither agree nor disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Neither agree nor disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#7

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 11:57:39 AM
Last Modified: Thursday, July 13, 2023 12:53:29 PM
Time Spent: 00:55:50
IP Address: 102.223.140.2

Page 2: A. Overview

Q1

Your full name (optional):

CHJL Malan

Q2

Your email address (optional):

leroux@flymcc.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

white

Q5

Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

I. Pilot

Your profession – check all that apply

Q9

6 – 9 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Destroying of infrastructure**
 2. **Destroying of natural forest**
 3. **Destroying of plantations for wood and paper production**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Old fuels are burning naturally to prevent disaster fires if fuels accumulate.**
 2. **Fynbos needs natural fires to grow.**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Placing of resources like helicopters and bombers in areas where fires can occur
 2. Proper fire brakes
 3. Trained and qualified firefighters, Incident commanders, and fire bosses
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Use of better and modern, more cost effective and effective Helicopters/resources
 2. Training and keeping firefighters up to date.
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. training/understanding fires
 2. schooling of people regarding fires
 3. getting more people involved
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Fynbos
 2. Plantations / pine or bluegum
 3. grass
 4. natural forest
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Arid Woodland,
Fynbos,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. salary dispute
 2. arson
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

fynbos growth

Q20

What negative ecological effects result from wildland fire?

destroying of natural forest/infrastructure

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#8

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 12:07:34 PM
Last Modified: Thursday, July 13, 2023 12:56:38 PM
Time Spent: 00:49:03
IP Address: 196.25.103.250

Page 2: A. Overview

Q1

Your full name (optional):

Bertus Senekal

Q2

Your email address (optional):

bsenekal@wcdm.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

West Coast District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

a. Firefighter (general),

b. Structural Firefighter,

c. Wildland Firefighter,

Other (please specify):

Chief Fire Officer

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Damage to property**
2. **Environmental degradation**
3. **Economic losses**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Healthy environment**
2. **Conservation of endangered species**
3. **Economic benefits - tourism**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Landowner involvement**
2. **Mutual aid between authorities**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Capacity to effectively respond**
2. **Research on impacts of wildfire**
3. **Assistance to mandated authorities responsible for wildfires**

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Knowledge of fire behavior in different biomes**
 2. **ICS experience**
 3. **Initial attack and response to wildfires**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Natural veld - Fynbos and renosterveld**
 2. **Alien vegetation - Rooikrans and black wattle**
 3. **Grass**
 4. **Crops - Wheat**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Fynbos,
Renosterveld,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. **Open fires for cooking**
 2. **Negligent in conducting work operations**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Healthy fire dependent ecosystems, preservation of species

Q20

What negative ecological effects result from wildland fire?

Destroying ecological sensitive or endangered ecosystems and species, destroying water catchment areas

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Fuel load reduction strategies for the different biomes
2. Best methods for combatting fires in different biomes
3. Effects of frequent fires in sensitive ecosystems and biomes

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#9

COMPLETE

Collector:

Web Link 1 (Web Link)

Started:

Thursday, July 13, 2023 12:58:34 PM

Last Modified:

Thursday, July 13, 2023 1:16:46 PM

Time Spent:

00:18:12

IP Address:

41.147.1.214

Page 2: A. Overview

Q1

Your full name (optional):

Paul Keith Morris

Q2

Your email address (optional):

paulmorris107@gmail.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Respondent skipped this question

What district/metropolitan municipality do you live in?

Q8

m. Consultant

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. destruction of fynbos / indigenous vegetation
 2. destruction of property
 3. loss of life
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. conservation and preservation of fynbos
 2. reduction of risk to property
 3. improved air quality
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. preservation of indigenous vegetation
 2. reduction in wildfires
 3. improved air quality
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. fire prevention organisations
 2. education of urban edge residents
 3. education of youth
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. fire prevention
 2. prescribed burns
 3. education
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. alien vegetation
 2. grasslands
 3. property
 4. fynbos
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Fynbos,
Renosterveld,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. arson
 2. careless behaviour
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

species diversity and conservation

Q20

What negative ecological effects result from wildland fire?

air pollution leading to human health issues

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#10

COMPLETE

Collector: Web Link 1 (Web Link)
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Last Modified: Thursday, July 13, 2023 1:26:53 PM
Time Spent: 00:23:43
IP Address: 37.120.200.43

Page 2: A. Overview

Q1

Your full name (optional):

John Wesson

Q2

Your email address (optional):

jjwesson674@gmail.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Gauteng

In which province do you primarily live in?

Q7

City of Tshwane Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

f. Nature Conservator,

k. Landowner,

m. Consultant,

Other (please specify):

Citizen Scientist, Horticulturist, Parks and Recreation management

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Damage to trees
 2. Loss of grazing
 3. Danger to buildings
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Get rid of moribund grass
 2. reduce fire load
 3. rejuvenate grasslands
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Professional Working on fire teams
 2. In some cases preventive actions rather than reactive
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Preventive fire breaks
 2. Adequately equip communities
 3. More teams on the ground
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Professional Working on Fire program
 2. Fire ban regulations
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Grasslands
 2. edges of woodland
 3. dangerous dead trees like Euphorbia ingens that explode and send sparks high into the air when burning
 4. Wetlands into peat layers
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. Arson
 2. Illegal burning of refuse without permits especially when fire ban in place
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Rejuvination and reduce fire load when done correctly and a cool fire

Q20

What negative ecological effects result from wildland fire?

Destroy wildlife, trees from regular yearly hot burns, destroys grazing

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26**Neither agree nor disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Strongly agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#11**COMPLETE**

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Last Modified: Thursday, July 13, 2023 1:30:38 PM
Time Spent: 00:40:31
IP Address: 154.126.223.210

Page 2: A. Overview

Q1 **Respondent skipped this question**

Your full name (optional):

Q2 **Respondent skipped this question**

Your email address (optional):

Q3 **Respondent skipped this question**

Your gender (optional):

Q4 **Respondent skipped this question**

Your race (optional):

Q5 **Yes**

Do you consider yourself a first nation/indigenous person (optional):

Q6 **Mpumalanga**

In which province do you primarily live in?

Q7 **Gert Sibande District Municipality**

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

Other (please specify):

Training provider

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life**
 2. **Loss of natural habitat**
 3. **Damage to environment plantations etc**
-

Q11

Respondent skipped this question

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

Q12

Respondent skipped this question

What are three aspects of wildland fire management that are most successful in South Africa?

Q13

Respondent skipped this question

What are three aspects of wildland fire management that could use improvement in South Africa?

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Equipment**
 2. **Management styles**
 3. **Different ways of extinguishing**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Sour veld**
 2. **Timber**
-

Q16

Sour Grassland

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Bee hunting**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Improved grazing

Q20

What negative ecological effects result from wildland fire?

Eco system breakdown

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Causes of unwanted fires**
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#12

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 1:45:22 PM
Last Modified: Thursday, July 13, 2023 2:14:37 PM
Time Spent: 00:29:14
IP Address: 197.100.96.82

Page 2: A. Overview

Q1

Your full name (optional):

Dalton Gibbs

Q2

Your email address (optional):

dalton.gibbs@capetown.gov.za

Q3

Your gender (optional):

Male

Q4 Respondent skipped this question

Your race (optional):

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Potential property damage**
2. **Soil erosion**
3. **Biodiversity loss (sometimes)/alien vegetation**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Biodiversity/ecosystem renewal**
2. **Fuel reduction (when needed)**
3. **Graze/browse provision**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Alien vegetation reduction/removal**
2. **Wildfire response**
3. **Conducting prescribed ecological/fuel reduction burns**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Conducting prescribed burns**
 2. **Legislation to support prescribed burns**
 3. **Alien vegetation reduction**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Responding to wildfires**
 2. **Planning & conducting prescribed burns**
 3. **Soil erosion mitigation**
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Sweet Grassland,
Moist Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Farming**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Arson

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Ecosystem renewal

Q20

What negative ecological effects result from wildland fire?

Alien vegetation, soil erosion

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Legislation to support prescribed burns
 2. The frequency and seasonality of fire in ecosystems
 3. Training for professional fire fighters to understand fire
 4. Fire and climate change
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#13

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 2:33:40 PM
Last Modified: Thursday, July 13, 2023 2:41:09 PM
Time Spent: 00:07:28
IP Address: 102.65.46.141

Page 2: A. Overview

Q1

Your full name (optional):

Ian Newton

Q2

Your email address (optional):

ian@fire24seven.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

Caucasian

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Other (please specify):

Your profession – check all that apply

Business owner

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Ecological damage
 2. Deforestation
 3. Urban interface threat
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Plant regeneration - species requirement
 2. Soil regeneration
 3. invasive plant eradication
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Prescribed burns
 2. Incident Command
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Urbanization of wildland areas
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Incident Command
 2. Prescribed / controlled burns
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Respondent skipped this question

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Respondent skipped this question

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#14

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 2:35:45 PM
Last Modified: Thursday, July 13, 2023 3:01:02 PM
Time Spent: 00:25:17
IP Address: 156.155.229.193

Page 2: A. Overview

Q1

Your full name (optional):

Rob Little

Q2

Your email address (optional):

rob.little@uct.ac.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

white

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

i. Scientist,

Other (please specify):

conservation biologist, ornithologist

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **habitat modification**
2. **herpetology deaths**
3. **disrupted bird breeding**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **removal of moribund vegetation**
2. **reduction of fuel load**
3. **creating habitat mozaic**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **understanding the role of fire in various habitat types**
2. **application of controlled burns**
3. **extinguishing unscheduled fires**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **education on the impact of unscheduled fires**
2. **reduction of too regular burning for grazing**
3. **further research on the ecological role of fire**

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. education on the impact of unscheduled fires
 2. reduction of too regular burning for grazing
 3. reduction of slash and burn for cultivation
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. fynbos
 2. grasslands
 3. wetlands
 4. forest edge
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. intended ignition
 2. carelessness
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

habitat vigour

Q20

What negative ecological effects result from wildland fire?

habitat composition modification

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1.

impact of wildland fire on vertebrates

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#15

COMPLETE

Collector: Web Link 1 (Web Link)
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Last Modified: Thursday, July 13, 2023 4:04:29 PM
Time Spent: 00:29:27
IP Address: 197.98.201.68

Page 2: A. Overview

Q1

Your full name (optional):

Dean da Costa

Q2

Your email address (optional):

dean.dacosta@mondigroup.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

European

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

KwaZulu Natal

In which province do you primarily live in?

Q7

uMgungundlovu District Municipality

What district/metropolitan municipality do you live in?

Q8

i. Scientist

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Destruction of lives**
 2. **Destruction of domestic and wildlife**
 3. **Destruction of property, including crops**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Reduction of fuel loads both indigenous and agricultural**
 2. **Reduction of threats at the rural-urban interface**
 3. **Removal of moribund fuels impacting on grasslands**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Understanding of the benefits of prescribed burning**
 2. **Very well-developed commercial forestry**
 3. **Integrated burning regimes state and private initiatives.**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **greater coordination of state-private bruning management**
 2. **Greater state support for Working on fire programmes**
 3. **State subsidies for private industries invovled in combatting fires**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Quality and innovation in fire fighting vehicle and equipment**
 2. **High level of firefighting training**
 3. **Power of prescribed burning in fuel load management**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grasslands**
 2. **Timber plantations**
 3. **Agricultural crops - maize and sugar cane**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

- Sour Grassland,**
Sweet Grassland,
Arid Woodland,
Fynbos
-

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Bee hunters**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Maintenance of ecological diversity

Q20

What negative ecological effects result from wildland fire?

Bare soils, damaged organic carbons and increased erosion

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Impacts of fire on the rural-urban interface
 2. Fuel load management in agriculture and forestry
 3. Under canopy burning of exotic timber species
 4. Mosaic burning as a tool to retain ecological diversity
-

Q23**Strongly disagree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat agree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Somewhat disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Strongly agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#16**COMPLETE**

| | |
|-----------------------|------------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Thursday, July 13, 2023 4:35:00 PM |
| Last Modified: | Thursday, July 13, 2023 4:58:00 PM |
| Time Spent: | 00:23:00 |
| IP Address: | 197.98.201.75 |

Page 2: A. Overview

Q1

Your full name (optional):

Deon Greyling

Q2

Your email address (optional):

deon.greyling@mondigroup.com

Q3

Your gender (optional):

m

Q4

Your race (optional):

w

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Mpumalanga

In which province do you primarily live in?

Q7

Gert Sibande District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
 - c. Wildland Firefighter,
 - e. Forester,
 - k. Landowner,
 - n. Farmer
-

Q9

12 – 15 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. destruction of livelihood
 2. destruction of the economy
 3. destruction of commerce
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. vegetation rotation
 2. Fuel load reduction
 3. Creation of fire resistant landscapes
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. FPAs
 2. Technological advancements in wildfire fighting
 3. Training
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. IC structures
 2. Public awareness
 3. Legal response to arsonists
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Technologies of firefighting equipment and strategies
 2. Benefits of controlled wildland fires
 3. Community participation and cooperation
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. Aforested areas
 2. Grassland areas
 3. Crops
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Thicket,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. Ignorance
 2. Arson
-

Q18

Unrest

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

biodiversity and renewal of grassland vigor

Q20

What negative ecological effects result from wildland fire?

biodiversity decline during untimely fires

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. the use of fire to control invasive aliens
-

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Strongly agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#17

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 6:32:27 PM
Last Modified: Thursday, July 13, 2023 6:46:34 PM
Time Spent: 00:14:07
IP Address: 102.220.209.17

Page 2: A. Overview

Q1

Your full name (optional):

Rob Erasmus

Q2

Your email address (optional):

Enviro@absamail.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- c. Wildland Firefighter,**
- d. Volunteer Firefighter,**
- f. Nature Conservator,**
- j. Lecturer,**
- m. Consultant,**

Other (please specify):

Fire Investigator

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Erosion**
 2. **Ecological damage**
 3. **Financial loss**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Ecological benefit**
 2. **Fuel reduction**
 3. **Water conservation**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Prescribed burning**
 2. **Effective fire suppression**
 3. **Training and awareness**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Prescribed Burning**
 2. **Fuel reduction**
 3. **Training and awareness**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Prescribed burning**
 2. **Fire suppression techniques**
 3. **Integrated Wildfire Management**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Alien vegetation**
 3. **Pine plantations**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Arid Woodland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Malicious acts**
 2. **Negligence**

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Ecological

Q20

What negative ecological effects result from wildland fire?

Degradation of indigenous ecosystems

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Time of year to burn
2. Impact of heat on seedbeds

Q23

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#18

COMPLETE

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Last Modified: Thursday, July 13, 2023 10:14:54 PM
Time Spent: 00:16:37
IP Address: 217.29.217.238

Page 2: A. Overview

Q1

Your full name (optional):

Eric Stoch

Q2

Your email address (optional):

nwufpa@gmail.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

North West

In which province do you primarily live in?

Q7

Dr Kenneth Kaunda District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- c. Wildland Firefighter,**
- f. Nature Conservator,**
- i. Scientist,**
- k. Landowner,**
- m. Consultant,**
- n. Farmer,**
- p. Disaster Management**

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life**
2. **Loss of livelihoods**
3. **Loss of food security**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Fire prevention**
2. **Regeneration of the veld**
3. **Killing of ticks and invasive species**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fire breaks**
 2. **Maximum initial attack**
 3. **Community awareness**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Training**
 2. **Equipment and funding**
 3. **Medical aid and life cover**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Training**
 2. **MOUs regarding cross border fires**
 3. **Funding**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grass and grazing**
 2. **Crops**
 3. **Shrubs**
 4. **Trees**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

- Sour Grassland,**
Sweet Grassland,
Moist Grassland,
Sparse Arid Woodland
-

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Burning without permission on high FDI days**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Removing invasive species

Q20

What negative ecological effects result from wildland fire?

Destruction of soil and sensitive species

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Involvement of Traditional Authorities**
 2. **Community relations and awareness**
 3. **Involvement of youth and school children**
 4. **Government non-compliance with Act 101 of 1998**
-

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Strongly agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#19

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 14, 2023 8:06:11 AM
Last Modified: Friday, July 14, 2023 9:13:11 AM
Time Spent: 01:06:59
IP Address: 105.186.189.249

Page 2: A. Overview

Q1

Your full name (optional):

Louis Buys

Q2

Your email address (optional):

L.J.Buys@telkomsa.net

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Eden District Municipality

What district/metropolitan municipality do you live in?

Q8

r. Retired

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Devastation of grazing land for farming purposes**
 2. **Destruction of property, eg houses**
 3. **These fires often run out of control**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Destruction of invasive alien species**
 2. **Younger growth is giving the opportunity to flourish**
 3. **It can prevent runaway fires by doing proper block burning**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **The application of block burning**
 2. **The fact that a large number of people underwent ICS training**
 3. **Application of the principles in The Disaster Management Act**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Quicker reaction to any fire**
 2. **Streamlining of bureaucracy**
 3. **Decisionmakers are often politicians and that is a recipe for disaster**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **A programme similar to the Working on Fire in South Africa**
 2. **ICS training**
 3. **The principle of blockburning and reduction of fuel load**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Commercial plantations**
 2. **Invasive alien species**
 3. **Grazing land on farms**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Arid Woodland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Cooking fires left to burn out**
 2. **Fires started at waste disposal areas**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
Destruction of farmland

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Fynbos needs to burn regularly to procreate

Q20

What negative ecological effects result from wildland fire?

Destuction of endangered species

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Invasive alien species and the effect thereof on wildfires
 2. Controlled burning, where, when and how
 3. Insufficient infrastructure
 4. Clear lines of authority
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#20

COMPLETE

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Last Modified: Friday, July 14, 2023 9:22:20 AM
Time Spent: 00:22:42
IP Address: 160.0.197.27

Page 2: A. Overview

Q1

Your full name (optional):

Matlosana Fire Protection Association

Q2

Your email address (optional):

matlosanafpa@outlook.com

Q3 Respondent skipped this question

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

North West

In which province do you primarily live in?

Q7

Dr Kenneth Kaunda District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- d. Volunteer Firefighter,
 - k. Landowner,
 - n. Farmer
-

Q9

9 – 12 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

- 1. Loss of human lives
 - 2. Loss of animal lives
 - 3. Loss of vegetation
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

- 1. Renewal of habitat
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

- 1. Cooperation between landowners, FPA's and the fire brigades
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

- 1. Landowner responsibility towards fire prevention (creating fire breaks etc)
 - 2. Stricter fines for non-compliance, accidental fire starting
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

- 1. The establishment of Fire Protection Associations
 - 2. Cooperation between state and landowners with regards to fire prevention and control
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grass veld**
 2. **Weeds like Skraalhans**
 3. **Cow manure**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Arid Woodland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Fires started for heating purposes becoming uncontrolled**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Renewal of ecosystem

Q20

What negative ecological effects result from wildland fire?

Loss of biodiversity, erosion

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **NA**
-

Q23**Somewhat disagree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat agree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Strongly agree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#21

COMPLETE

Collector: Web Link 1 (Web Link)
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Last Modified: Friday, July 14, 2023 10:29:48 AM
Time Spent: 00:34:11
IP Address: 196.15.149.82

Page 2: A. Overview

Q1

Your full name (optional):

Tarron Dry

Q2

Your email address (optional):

tdry@overstrand.gov.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Overberg District Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life**
 2. **Structural and Infrastructure Damage**
 3. **Wildlife displacement**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Increase in Biodiversity**
 2. **Vegetation rejuvenation**
 3. **Community safety**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Cooperation
 2. Information sharing
 3. Planning
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Social Media opinions
 2. Public understanding and support
 3. Public cooperation
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Planning
 2. Departmental Cooperation
 3. Knowledge gained
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Fynbos
 2. Invasive Plants
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Thicket,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. Stupidity
 2. Misdirection to facilitate illegal activity.
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):

Misdirection to facilitate illegal activity.

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Biodiversity

Q20

What negative ecological effects result from wildland fire?

If an area burns too often, it becomes homogenous

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1.

Milkwood forest and wildfire function

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#22

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 14, 2023 10:16:20 AM
Last Modified: Friday, July 14, 2023 10:34:34 AM
Time Spent: 00:18:14
IP Address: 196.25.195.110

Page 2: A. Overview

Q1

Your full name (optional):

Wayne Sternsdorf

Q2

Your email address (optional):

wsternsdorf@knysna.gov.za

Q3

Your gender (optional):

Male

Q4 Respondent skipped this question

Your race (optional):

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Eden District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
- b. Structural Firefighter,
- c. Wildland Firefighter,
- j. Lecturer,
- o. Emergency Services,
- p. Disaster Management

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

- 1. **Loss of Life**
- 2. **Severe environmental damage**
- 3. **Loss of residential, which includes formal and informal properties**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

- 1. **Fuel load reduction**
- 2. **eradication of alien vegetation**
- 3. **creating safe spaces of defensible spaces**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

- 1. **team work**
- 2. **experience**
- 3. **in the Western Cape, concerted effort from all spheres of government**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

- 1. **Inter municipal co operation, B and C Municipalities**
- 2. **More Training regarding wildland fire fighting**
- 3. **increased capabilities for wildland fire fighting**

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **ICS**
 2. **Expertise**
 3. **Training**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Alien**
 2. **Fynbos**
 3. **Illegal dump sites**
 4. **green waste dump sites**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Arid Woodland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Negligence**
 2. **un educated persons**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

regrowth, reduction f alien vegetation

Q20

What negative ecological effects result from wildland fire?

sterilization of soil, soil erosion, destruction oof property and eco systems

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Local environments
2. local fuel loads
3. localized fire fighting methods
4. ways to improve response and prevention

Q23

Strongly disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#23

COMPLETE

| | |
|-----------------------|-----------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Friday, July 14, 2023 11:49:15 AM |
| Last Modified: | Friday, July 14, 2023 12:14:24 PM |
| Time Spent: | 00:25:09 |
| IP Address: | 105.186.239.97 |

Page 2: A. Overview

Q1

Your full name (optional):

Peter Viljoen

Q2

Your email address (optional):

peter@contourenviro.co.za

Q3

Your gender (optional):

m

Q4 Respondent skipped this question

Your race (optional):

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

c. Wildland Firefighter,

f. Nature Conservator

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Compromise of fire regime in watersheds**
 2. **Poor interagency co operation**
 3. **Lack of implementation of integrated fire management principles**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Fire regimes are in line with thresholds of potential concern**
 2. **Protection of life and property**
 3. **Effects on watersheds**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **none**
 2. **we are failing**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Prevention**
 2. **Protection**
 3. **Preparedness**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Integrated fire management**
 2. **Community and structure protection**
 3. **Ecological fire management**
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Thicket,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **General negligence by landowners during work operations**
 2. **accidental fires**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
Neglegence and poor operations by land owners

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Fynbos is a fuire driven ecosystem it does not function properly without it

Q20

What negative ecological effects result from wildland fire?

Too frequent fires, out of season fires, intens fires due to alien invasive woody species.

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Fire behaviour and fuel models**
 2. **What works in terms of intergrated fire management**
 3. **Fire danger index**
 4. **HJow poorer indigenous communities deal with fire**
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Somewhat disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat disagree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#24**COMPLETE**

Collector: Web Link 1 (Web Link)
Started: Friday, July 14, 2023 12:21:10 PM
Last Modified: Friday, July 14, 2023 1:04:28 PM
Time Spent: 00:43:17
IP Address: 169.1.255.91

Page 2: A. Overview

Q1

Your full name (optional):

Tony Marshall

Q2

Your email address (optional):

tonymarshall002@gmail.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator,

Your profession – check all that apply

r. Retired

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life and infrastructure**
 2. **Loss of biodiversity**
 3. **Soil erosion**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Rejuvenation of eco-systems**
 2. **Alien invasive plant management/control**
 3. **Bush encroachment management**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Alien invasive vegetation management**
 2. **Eco-system rejuvenation**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Community fire preparedness**
 2. **Legal compliance (NVFFA)**
 3. **Alien invasive plant management**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **ICS**
 2. **Rapid response**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Woody Alien Invasive plant species**
 3. **Pine/Eucalyptus plantations**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Arid Woodland,
Thicket,
Grassy Nama Karoo,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Negligence (warming/cooking fires)**
 2. **Malicious ignitions**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Fuel Management

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Natural Eco-system rejuvenation (correct fire regime)

Q20

What negative ecological effects result from wildland fire?

Natural Eco-system damage (incorrect fire regime)

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Fire behaviour**
 2. **Fire management techniques**
 3. **Influences of climate and weather**
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#25

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 14, 2023 1:43:30 PM
Last Modified: Friday, July 14, 2023 2:04:33 PM
Time Spent: 00:21:03
IP Address: 197.89.97.48

Page 2: A. Overview

Q1

Your full name (optional):

Mark Jackson

Q2

Your email address (optional):

mark@fireforce.co.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

European

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Mpumalanga

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

c. Wildland Firefighter,

Other (please specify):

Helicopter firefighting pilot

Q9

15 – 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Damage to indigenous flora and fauna**
2. **Damage to farms**
3. **Loss of life and livelihoods**

Q11

Respondent skipped this question

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

Q12

Respondent skipped this question

What are three aspects of wildland fire management that are most successful in South Africa?

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **fire prevention and planning**
2. **good managing of prescribed burns**
3. **The clearing of firebreaks**

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **The same as above**
2. **Education**
3. **Training**

Q15

What types of fuel burn most often in wildland fires in your area?

1. Mbombela mostly forestry
 2. Western Cape Fynbos and farms
 3. Indigenous bush
 4. Grasslands and grazing
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Arid Woodland,
Fynbos,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. political unrest
 2. Ignorance and lack of accountability
-

Q18

Unrest

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Some indigenous plants can only survive if there are regular fires

Q20

What negative ecological effects result from wildland fire?

Too frequent fires do not allow natural regrowth

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Educate the indigenous populations
 2. Start fire awareness programs
 3. Employ and train people to become firefighters
 4. Do road trips to the less informed populations
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#26

COMPLETE

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| Time Spent: | 00:38:23 |
| IP Address: | 45.220.174.114 |

Page 2: A. Overview

Q1

Your full name (optional):

Andre Riley

Q2

Your email address (optional):

Andre.riley@sanparks.org

Q3

Your gender (optional):

Male

Q4

Your race (optional):

Caucasian

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Eden District Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Destruction of habitat (fires too regular)**
 2. **Loss of lives and property**
 3. **Extended wildfires**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Fire is contained**
 2. **Fire intervals are maintained**
 3. **Heat of the fire is controlled**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Good legislation**
 2. **Working on Fire Program**
 3. **Fuel load reduction**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Improved fuel load reduction**
 2. **Alien vegetation clearing**
 3. **Mountain catchment management**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Working on Fire successes**
 2. **Legislation ?**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Alien vegetation**
 3. **Eco-tone areas of forest/fynbos**
 4. **Timber plantations in some instances.**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?
Sour Grassland,
Coastal Grassland,
Sweet Grassland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Grazing needs**
 2. **Escapee fires (braai, warmth) + arson etc.**
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity in fire dependant ecosystems

Q20

What negative ecological effects result from wildland fire?

Loss of species and habitat - when burnt too frequently

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Mountain catchment fire management
 2. Adaptive interference fires in high risk area.
 3. Manipulation wildland fires due to commercial plantation pressures
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#27

COMPLETE

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| Time Spent: | 00:45:23 |
| IP Address: | 102.66.189.234 |

Page 2: A. Overview

Q1

Your full name (optional):

Deon de Villiers

Q2

Your email address (optional):

div.devilliers1@outlook.com

Q3

Your gender (optional):

male

Q4

Your race (optional):

white

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Eastern Cape

In which province do you primarily live in?

Q7

Amajuba District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- f. Nature Conservator,
- i. Scientist,
- k. Landowner,
- m. Consultant,
- q. Law Enforcement

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **loss of human life**
 2. **loss of biodiversity**
 3. **damage to buildings and infrastructure**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **improved veld such as fynbos**
 2. **reduction of fuel load**
 3. **safety of buildings and infrastructure**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Excellent research**
 2. **Proper updated legislation**
 3. **Trained Working for Fire Teams**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Increased number of forest and field rangers**
 2. **Improved training for field staff**
 3. **Improved implementation of management plans on properties**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Legislation**
 2. **Fire Management Plans**
 3. **Working for Fire Programme**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grasses**
 2. **Shrubs**
 3. **fynbos**
 4. **trees**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Arid Woodland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Negligence - burning waste and barbecue fires not extinguished**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
All of the above

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Maintaining ecological processes in fire adapted veld including species diversity

Q20

What negative ecological effects result from wildland fire?

Species reduction or even extinction where fires are too hot or too frequent

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Effect of traditional annual burning on coastal grassland species**
2. **Traditional burning practices in SA biomes**

Q23**Somewhat disagree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat agree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Somewhat disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#28**COMPLETE**

| | |
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| Last Modified: | Saturday, July 15, 2023 8:04:04 AM |
| Time Spent: | 16:49:49 |
| IP Address: | 197.94.209.183 |

Page 2: A. Overview

Q1

Your full name (optional):

AnneLise Vlok

Q2 Respondent skipped this question

Your email address (optional):

Q3

Your gender (optional):

female

Q4

Your race (optional):

African

Q5 Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6 Western Cape

In which province do you primarily live in?

Q7 Eden District Municipality

What district/metropolitan municipality do you live in?

Q8 f. Nature Conservator,
i. Scientist

Your profession – check all that apply

Q9 More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. too frequent and out of season fires affecting biodiversity negatively
 2. fire adapted invasive alien plant species resulting in too hot fires and stimulating recruitment
 3. too large fires become uncontrollable and lead to destruction of livelihoods
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. fynbos species are dependent on periodic fires for regeneration and recruitment
 2. plant species richness is maintained through ecologically sound fire regimes
 3. controlled and planned fires can play an important role to manage invasive alien plants
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. different entities involved in fire management now need to cooperate during fires
 2. mapping of fires and maintained fire databases (in Western Cape)
 3. in the Garden Route DM area ecological factors are now being taken into account during fires
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. financial support of conservation organisations to use helicopters to keep fires out of ecologically sensitive areas
 2. provision of funds to manage invasive alien vegetation in catchment areas (which lead to uncontrolled and destructive fires)
 3. awareness raising amongst all stakeholders about the impacts of fires on livelihoods
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. collaborative fire management amongst various stakeholders
 2. informing fire management with ecological parameters
 3. provision of information to communities living within fire-prone areas
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. fynbos
 2. invasive alien plants
 3. plantations
 4. dumping sites
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. negligence
 2. lack of awareness of threat of fires
-

Q18

Fuel Management

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

rejuvenation and recruitment

Q20

What negative ecological effects result from wildland fire?

too frequent and out of season fires have a negative effect on biodiversity

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. integrating fire and invasive alien vegetation management
 2. thresholds of potential concern for coastal fynbos, renosterveld
 3. how to manage fynbos-thicket mosaics for diversity
 4. effect of too large fires on nectarivores and frugivores
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#29

COMPLETE

Collector: Web Link 1 (Web Link)
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Last Modified: Saturday, July 15, 2023 12:29:32 PM
Time Spent: 00:49:45
IP Address: 196.6.115.96

Page 2: A. Overview

Q1

Your full name (optional):

craig spencer

Q2

Your email address (optional):

craigs@transfrontierafrica.org

Q3

Your gender (optional):

Male

Q4

Your race (optional):

white

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Limpopo

In which province do you primarily live in?

Q7

Mopani District Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. reduced biodiversity
 2. negative changes in vegetation community structure
 3. reduced ecological carrying capacity
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. mosaic of vegetation communities / age classes = biodiversity
 2. effective fire management (fuel load management)
 3. invasive plant control
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Prescribed burns applied logically, strategically and advised by science
 2. Good legislation in place
 3. big institutional knowledge in most institutions/management authorities
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. private land owners and public need better understanding / education
 2. risk mitigation measures so land owners are not scared to implement or allow prescribed fires
 3. alien invasive plant management (fuel reduction, etc.)
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. our science, knowledge of spacial and temporal optimisation
 2. alien plant management
 3. other management aspects (prevention, mitigation, etc.) of planned and unplanned ignitions.
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. grass.
 2. herbaceous layer
 3. Pinus plantations
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,

Sweet Grassland,

Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. unsupervised cooking fires in rural villages
 2. unintentional road verge fires (sparks, cigarettes, etc.)
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

increased carrying capacity for grazers

Q20

What negative ecological effects result from wildland fire?

bush encroachment and loss of biodiversity.

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. nutrient pathways (edaphics to primary production)
2. optimum fuel loads to achieve objectives
3. optimum times to burn for maximum benefits
4. optimum block sizes

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Strongly disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#30

COMPLETE

| | |
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| Time Spent: | 00:17:34 |
| IP Address: | 154.119.48.209 |

Page 2: A. Overview

Q1

Your full name (optional):

Orlando Filander

Q2

Your email address (optional):

orlandof@spier.co.za

Q3

Your gender (optional):

Male

Q4 Respondent skipped this question

Your race (optional):

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

n. Farmer

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Lost of life**
 2. **Damage/Loss of property**
 3. **Environmental loss**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Manage Fuel load**
 2. **Enhance Biodiversity- Fynbos**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Prevention**
 2. **Management of active fires**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **General awareness among public**
 2. **Education (Firewise)**
 3. **Private sector support to FPA's**
-

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Indigenous veld**
 2. **Abandoned forestry areas**
 3. **Informal Human Settlements**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,

Renosterveld,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. Neglegence
 2. lack of education
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity, reduce fuel load, improve water catchment

Q20

What negative ecological effects result from wildland fire?

Erosion, loss of soil, loss of diversity

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Renosterveld fire management
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Strongly agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#31

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Sunday, July 16, 2023 4:24:31 PM
Last Modified: Sunday, July 16, 2023 5:00:41 PM
Time Spent: 00:36:10
IP Address: 41.115.123.237

Page 2: A. Overview

Q1

Your full name (optional):

Cindy Coetzer

Q2

Your email address (optional):

Cindydawnlaw@gmail.com

Q3

Your gender (optional):

Female

Q4

Your race (optional):

White

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

KwaZulu Natal

In which province do you primarily live in?

Q7

eThekweni Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

s. Unemployed,

Other (please specify):

LLM Student

Q9

0 – 3 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Killing animals**
2. **Destroying natural habitat**
3. **Air pollution**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **To control overgrowth**
2. **Preventing uncontrolled fires from spreading**
3. **Save animal life**

Q12

Respondent skipped this question

What are three aspects of wildland fire management that are most successful in South Africa?

Q13

Respondent skipped this question

What are three aspects of wildland fire management that could use improvement in South Africa?

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grass**
 2. **Shrubs**
 3. **Trees**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Coastal Grassland,
Sweet Grassland,
Moist Grassland

Q17

What are the top two causes of human-originated wildfires?

1. **Cigarette butts discarded irresponsibly**
 2. **Unsupervised campfires**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
Property damage and intimidation

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

To clear out dead organic material. Eliminate diseased plants.

Q20

What negative ecological effects result from wildland fire?

Pollution

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Prevention of wildland fires
2. Mitigate consequences of wildland fires
3. How to increase response times to wildland fires

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#32

COMPLETE

| | |
|----------------|----------------------------------|
| Collector: | Web Link 1 (Web Link) |
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| Time Spent: | 00:26:42 |
| IP Address: | 102.36.153.238 |

Page 2: A. Overview

Q1

Your full name (optional):

Andre Scheepers

Q2

Your email address (optional):

manager@lefp.co.za

Q3 Respondent skipped this question

Your gender (optional):

Q4

Your race (optional):

white

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Mpumalanga

In which province do you primarily live in?

Q7

Ehlanzeni District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

Other (please specify):

Fire Protection Association

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Damage and loss**
2. **loss of income**
3. **job security**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. fuel load reduction
 2. defensive space
 3. control of invasive plants
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. FPA structures
 2. information
 3. coordination
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. awareness
 2. community participation
 3. Government funding
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. FPA structures
 2. training
 3. coordination
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. vegetation farm lands
 2. commercial forestry
 3. conservation areas
 4. community land
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. malicious intentional ignitions
 2. ignorance
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

fuel load reduction

Q20

What negative ecological effects result from wildland fire?

erosion

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. rotational burning
 2. weather patterns
-

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly disagree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#33

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 17, 2023 7:42:32 AM
Last Modified: Monday, July 17, 2023 8:24:42 AM
Time Spent: 00:42:09
IP Address: 196.35.11.146

Page 2: A. Overview

Q1

Your full name (optional):

Jonathan Bell

Q2

Your email address (optional):

jonathan.bell@capetown.gov.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

i. Scientist

Your profession – check all that apply

Q9

3 – 6 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **To frequent fire regimes in the fynbos ecosystem**
2. **Desctruction of agricultural crops**
3. **Loss of property and life**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Burning fynbos within the natural wildfire regime, every 10-15 years.**
2. **Biomass and fuel laod reduction = risk management and risk reduction**
3. **Prepartion of veld and soils for agriculture**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Inter agency collaboration. Resource, knowledge and expertise sharing between different organisations**
2. **Early detection and rapid response to wildfires**
3. **Volunteer organisations championing wildfire response**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Funding for equipment**
 2. **Funding for better wages for wildland firefighters**
 3. **Ensuring that wildland fire fighting is actually considered as a "real" profession**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Training and mentorship**
 2. **Inter continental specialised (Hot Shot) wildland firefighting crews**
 3. **Integrated wildland fire planning incorporating all spheres (early detection, rapid response, ecology & fire regimes etc.)**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Invasive alien vegetation**
 2. **Mountain fynbos**
 3. **Agricultural crops (fallow land and annual wheat fields)**
 4. **Typha in wetland environments**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Moist Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Arson with malicious intent**
 2. **Run away controlled/prescribed burns**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Natural ecosystem processes in the Fynbos biome positively impacting ecosystem services. Fuel load and risk reduction. Invasive alien vegetation management.

Q20

What negative ecological effects result from wildland fire?

Loss of agricultural crops. Loss life and property

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Near real time remote sensing of wildfires
2. Provision of open source wildfire spatial and attribute datasets
3. Effectiveness and efficiency of new technologies for invasive alien species management (fuel load and risk reduction) in mountain catchments
4. Feasibility of wildland firefighting actually being considered as an sustainable employment route.
Mechanisms to fund this

Q23

Strongly disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#34

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 17, 2023 10:20:45 AM
Last Modified: Monday, July 17, 2023 10:41:31 AM
Time Spent: 00:20:45
IP Address: 213.150.213.145

Page 2: A. Overview

Q1

Your full name (optional):

Richard Brown

Q2

Your email address (optional):

rbrown@heroldgie.co.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

black

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

h. Lawyer

Your profession – check all that apply

Q9

0 – 3 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of wild animals**
2. **destruction of insects**
3. **erosion of hiking trails**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **regeneration o the fynbos**
2. **the return of indigenous animals and insects**
3. **removal of alien vegetation which is not suited to wildfire regeneration**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **creates employment**
2. **the imparting of critical skills to the unemployed in rural areas**
3. **creates a sense of love for the outdoors when it is combined with education as to why the fires are needed**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **We do not have enough of it**
 2. **Cape Nature is closing down historic hiking trails instead of investing in training local rural unemployed**
 3. **hiking trails and hiking get people out into the wild, support that and everything else will follow**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **it is a vital part of growth and maintenance of our wilderness areas**
 2. **invest in the rural unemployed to conduct the fire services and use hem to create and maintain trails**
 3. **living in harmony with nature requires wildfires in Africa**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **fynbos**
 2. **grasses**
 3. **alien vegetation**
 4. **some trees**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Grassy Nama Karoo,
Fynbos,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. **pyromaniacs**
 2. **negligence**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

regeneration of fynbos which is adapted for fire

Q20

What negative ecological effects result from wildland fire?

the loss of animal life

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **The types of root systems that carry the fires underground**
2. **the role played by insects, especially ants in bringing seeds to the surface after a fire**
3. **is alien vegetation clearing working**
4. **do fires encourage biodiversity in the wilderness**

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#35

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 17, 2023 12:34:17 PM
Last Modified: Monday, July 17, 2023 1:08:32 PM
Time Spent: 00:34:14
IP Address: 196.25.62.150

Page 2: A. Overview

Q1

Your full name (optional):

RUDOLPH JOHANNES VAN DER MERWE

Q2

Your email address (optional):

sampievm@lantic.net

Q3

Your gender (optional):

MALE

Q4

Your race (optional):

WHITE

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

North West

In which province do you primarily live in?

Q7

Ngaka Modiri Molema District Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **DEGRADING OF NATURAL VELD/ GRAZING**
 2. **KILLING OF ANIMALS DURING UNCONTROLLED FIRES**
 3. **LOST OF LIFE AND BUILDINGS**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **GETTING RID OF REDUNDANT OLD GRASS**
 2. **GETTING RID OF EXOTIC INVADER TREES AND PLANTS**
 3. **CHANGE THE SPECIE DIVERSITY OF POTABLE GRASS AND PLANTS FOR ANIMALS**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **THE VOLUNTARY COOPERATION OF PRIVATE LANDOWNERS TO FIGHT VELD FIRES TOGETHER**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. THE ROLE AND ASSISTANCE OF ALL LEVELS IN GOVERNMENT TO ASSIST WITH FIRES AND FIRE FIGHTING
 2. THE JOINING OF ALL GOVERNMENT INSTITUTIONS TO FIRE PROTECTION ASSOCIATIONS
 3. TRAINING OF ALL LEVELS OF THE RURAL POPULATION IN FIRE FIGHTING AND PROVIDING OF PPE AND EQUIPMENT BY GOVERNMENT
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. THE WORKING FOR FIRE JOB CREATION PROJECT OF GOVERNMENT
 2. THE AERIAL FIRE FIGHTING CAPABILITIES AND PROGRAM IN SOUTH AFRICA
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. GRASS
 2. REEDS
 3. INVADER EXOTIC PLANTS AND TREES
 4. WEEDS
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,

Sweet Grassland,

Fynbos,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. NEGILIGENCE AND MILITANT BURNS AS PART OF CRIME
 2. BURN GRASS IN WINTER TO HAVE EARLY GREEN GRASS FOR CATTLE IN SPRING
-

Q18

Unrest

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

GETTING RID ON OLD GRASS THAT IS NOT NICE TO EAT FOR ANIMALS

Q20

What negative ecological effects result from wildland fire?

TO MUCH BURNING YEAR AFTER YEAR OF THE SAME AREA, CAUSE THE DEGRADATION OF THAT VELD AND THE CHANGING OF THE VELD TYPE

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1.

CHEAPER, EASIER WAYS TO MAKE FIRE BREAKS
THAN BURNING FIRE BREAKS

2.

HOW TO GET APATIC PUBLIC INVOLVE IN FIRE
FIGHTING ORGINAZATIONS AND STRUCTURE

Q23

Strongly disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26**Strongly disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#36**COMPLETE**

Collector: Web Link 1 (Web Link)
Started: Monday, July 17, 2023 4:35:54 PM
Last Modified: Monday, July 17, 2023 4:56:18 PM
Time Spent: 00:20:24
IP Address: 102.165.41.15

Page 2: A. Overview

Q1 Respondent skipped this question

Your full name (optional):

Q2 Respondent skipped this question

Your email address (optional):

Q3 Respondent skipped this question

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 No

Do you consider yourself a first nation/indigenous person (optional):

Q6 Western Cape

In which province do you primarily live in?

Q7 Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

Other (please specify):

Environmental management

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of bio-diversity**
 2. **Loss of habitat**
 3. **loss of water capture ability**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **regeneration of natural vegetation**
 2. **control of alien vegetation**
 3. **reduction of fuel load**
-

Q12

Respondent skipped this question

What are three aspects of wildland fire management that are most successful in South Africa?

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **less political interference**
 2. **greater funding**
 3. **wider education**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **less political interference**
 2. **greater funding**
 3. **wider education**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. alien vegetation
 2. old growth indigenous vegetation
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. arson
 2. carelessness
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

species diversity, ecosystem processes, habitat renewal

Q20

What negative ecological effects result from wildland fire?

loss of species diversity, ecosystem processes and habitat

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. education of wider population
 2. encroachment of urban sprawl
-

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Neither agree nor disagree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#37

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 17, 2023 5:25:44 PM
Last Modified: Monday, July 17, 2023 5:59:07 PM
Time Spent: 00:33:23
IP Address: 197.83.252.30

Page 2: A. Overview

Q1

Your full name (optional):

Valerie Charlton

Q2

Your email address (optional):

artafriq@iafrica.com

Q3

Your gender (optional):

Female

Q4

Your race (optional):

white

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

m. Consultant,

Your profession – check all that apply

Other (please specify):

Practitioner

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **loss of life**
 2. **loss of livelihoods and assets**
 3. **deepening poverty for vulnerable / subsistence level communities**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **risk and hazard reduction**
 2. **beneficial ecosystem management**
 3. **land use management**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. suppression - sometimes unfortunately!
 2. prescribed burning
 3. co-operation between landusers/landowners
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Incident Command System - embedding therof
 2. Fire awareness, prevention and education - at every level
 3. legal compliance with potentially excellent environmental legislation
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. National Veld and Forest Fire Act 101 of 1998 as amended.
 2. Fire Danger Rating System coupled with education
 3. Firewise Communities - more community -based fire management
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Fynbos -combination of fine, oily and woody Mediterranean type
 2. Australian Acacia (Woody Invasives)
 3. Informal settlement homes!
 4. grasses
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Sweet Grassland,
Moist Grassland,
Arid Woodland

Q17

What are the top two causes of human-originated wildfires?

1. **land management - burning for grazing, clean lands for planting etc.**
 2. **negligence - open fire cooking, heating, burning rubbish**
-

Q18

Grazing

For fires that are set intentionally, what do you think is the "ignitors" intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

you said it!

Q20

What negative ecological effects result from wildland fire?

species loss, erosion, general degradation from too frequent fires

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **quantifying economic impacts/ loss and damage**
 2. **building an argument for the "non -catastrophe" by proving the value of education and prevention**
 3. **IFM adaptations to cope with new climatic conditions**
 4. **implementation models for collaborative land management**
-

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Q24

Strongly disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#38

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 17, 2023 11:01:29 PM
Last Modified: Monday, July 17, 2023 11:33:35 PM
Time Spent: 00:32:05
IP Address: 196.35.11.146

Page 2: A. Overview

Q1 **Respondent skipped this question**

Your full name (optional):

Q2 **Respondent skipped this question**

Your email address (optional):

Q3

Your gender (optional):

male

Q4

Your race (optional):

white

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

g. Politician

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **death of wild animals**
2. **loss of indigenous vegetation**
3. **loss of biodiversity**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **renewal of biodiversity**
2. **Removal of alien vegetation**
3. **Clearing of watercourses**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **n/a**
2. **n/a**
3. **n/a**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. n/a
 2. n/a
 3. n/a
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. n/a
 2. n/a
 3. n/a
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Respondent skipped this question

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Respondent skipped this question

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#39

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 17, 2023 1:14:23 PM
Last Modified: Tuesday, July 18, 2023 12:58:57 PM
Time Spent: 23:44:34
IP Address: 192.96.15.27

Page 2: A. Overview

Q1

Your full name (optional):

Christiaan Pool

Q2

Your email address (optional):

tiaan.pool@mandela.ac.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Eden District Municipality

What district/metropolitan municipality do you live in?

Q8

j. Lecturer

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Environmental deterioration
 2. Economical loss
 3. Negative social impacts
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Hazard reduction
 2. Biodiversity maintenance
 3. Water yield regulation
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Coordination by Some Fire protection associations
 2. Reaction to fires and awareness programs from Working on Fire
 3. Fire danger index warning system
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Training and education of some local authorities
 2. Training and education of some communities in rural areas
 3. Up to date fire risk analyses in SA
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Coordination of landowners (in some areas of SA)
 2. Training and education of firefighters and general communities
 3. Prescribed burning (in some areas of SA)
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Moist Grassland,
Arid Woodland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Neglegence**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity, fuel load management

Q20

What negative ecological effects result from wildland fire?

Spread of aliens and erosion

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Fire management systems is rural areas**
 2. **Effect of climate change on fire risk**
 3. **Effect of climate change on alien invastation**
 4. **Traditional fire use in a modern society**
-

Q23**Somewhat agree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat agree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Neither agree nor disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#40

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 18, 2023 10:32:12 AM
Last Modified: Tuesday, July 18, 2023 3:49:58 PM
Time Spent: 05:17:46
IP Address: 102.66.161.144

Page 2: A. Overview

Q1

Your full name (optional):

Chris de bruno Austin

Q2

Your email address (optional):

chris.austin@kishugu.com

Q3

Your gender (optional):

male

Q4

Your race (optional):

white

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Mpumalanga

In which province do you primarily live in?

Q7

Ehlanzeni District Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **To frequent fires cause damaged the eco system**
 2. **Unplanned high intensity fires can cause damage to the environment**
 3. **Wildfires can cause damage to property and loss of life**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Restoration of eco systems
 2. Remove excessive fuels thus removing the threat to property
 3. controlling BUSH ENCROACHEMENT saving our remaining grasslands
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Reclaiming our water catchment areas
 2. Protecting the valuable commercial timber industry
 3. Restoring and maintain our natural eco systems
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. More focus on Prescribed burning .We need to burn more areas annually
 2. The Working on Fire program needs to become much more profiecent in Prescribe burning
 3. The implimentation of more high intensity burns to control bush encroachment
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Assist with the implementation of a FDI system which is crucial when appling prescribed fire and when suppresing wild fires
 2. Training and supply of Tools
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Grasslands
 2. Encroached grasslands
 3. Post Harvest Forest litter
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Moist Grassland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Property Owners burning fuels under the wrong conditions which escape**
 2. **In our areas we have many arson fires which are as a result of disputes between employers and employees**
-

Q18

Unrest

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

In the sourveld regions of Mpumalanga ,the old moribund material is removed allowing the decreases grassers to grow and recover

Q20

What negative ecological effects result from wildland fire?

In our area frequent fires are required due to the high rainfall and high annual fuel loads.Fire is a positive driver.I lower rainfall areas to frequent fires are damaging.

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **The effects of Elephant and Fire on controlling Bush encroachment**
 2. **More work on using prescribed Fire on Alien invasive plants**
 3. **More research on the use of High intensity Fire to control alien Invasive plants and Bush encroachment**
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#41

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 19, 2023 9:04:41 AM
Last Modified: Wednesday, July 19, 2023 9:22:22 AM
Time Spent: 00:17:41
IP Address: 196.35.11.146

Page 2: A. Overview

Q1

Your full name (optional):

Kyle October

Q2

Your email address (optional):

kyle.october@capetown.gov.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

African

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator,

Your profession – check all that apply

q. Law Enforcement

Q9

9 – 12 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Habitat loss due to many frequent fires**
 2. **loss of species**
 3. **emergence of invasive plant species post fire**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Habitat restoration**
 2. **fire prone species stimulation**
 3. **fuel reduction to mitigate risk**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Wildfire response in the Western Cape**
 2. **Risk mitigation by reduction of fuel loads**
 3. **Fire as a form of veld management in the City of Cape Town**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Interagency cooperation**
 2. **Post fire invasive clearing**
 3. **Greater financial support for NGOs**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **ICS system**
 2. **How to use different tools, mechanical and manual on a fire**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **heavy fuels, eg pine**
 2. **light fuel, fynbos**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sweet Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Copper burning in urban areas**
 2. **Arson during holiday periods by children**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity, mosaic of veld ages

Q20

What negative ecological effects result from wildland fire?

species loss due to frequent fires

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#42

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 19, 2023 2:06:32 PM
Last Modified: Wednesday, July 19, 2023 2:35:31 PM
Time Spent: 00:28:58
IP Address: 197.100.96.82

Page 2: A. Overview

Q1

Your full name (optional):

Kyran Wright

Q2

Your email address (optional):

kyran.wright@capetown.gov.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

6 – 9 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Infrastructure damage**
2. **Threat to human life**
3. **Threat to fauna (too large a fire can reduce genetic heterogeneity)**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Appropriate fuel loads (appropriate fire cycles decrease fire intensity)**
2. **Plant germination and resprouting, triggering successional ecology**
3. **Landscape and habitat heterogeneity (disturbance creates a mosaic of different veld ages, supporting different species, increasing diversity)**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Incident command**
2. **Cooperative governance**
3. **Public support**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Fire planning on National Parks**
2. **Resource allocation**
3. **Support to private landowners**

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Fire planning methodology**
 2. **Logisitcal experience**
 3. **Technical support/knowledge sharing**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos (shrubs)**
 2. **Invasive vegetation**
 3. **Stack/brush piles**
 4. **Dune slacks**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Coastal Grassland,
Sweet Grassland,
Arid Woodland

Q17

What are the top two causes of human-originated wildfires?

1. **Arson/intentional ignition**
 2. **Land clearing**
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Stimulates successional ecological processes, seed germination and opens up microhabitats for herbivory

Q20

What negative ecological effects result from wildland fire?

If fuel load is too high, seedbanks and geophytes can be lost, too frequent burning can lead to diversity loss due to excessive disturbance

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1.

More detail on specific fire regimes and impacts of poor fire management

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#43

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 19, 2023 3:22:39 PM
Last Modified: Wednesday, July 19, 2023 3:39:44 PM
Time Spent: 00:17:05
IP Address: 196.35.11.146

Page 2: A. Overview

Q1 Respondent skipped this question

Your full name (optional):

Q2 Respondent skipped this question

Your email address (optional):

Q3 Respondent skipped this question

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person
(optional):

Q6 Western Cape

In which province do you primarily live in?

Q7 City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8 f. Nature Conservator

Your profession – check all that apply

Q9 More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Too frequent fires change the fire cycle of natural vegetation
 2. Increase in invasive alien vegetation clearing, maintenance and monitoring cost (germination of soil stored seed)
 3. Pressure on resources (overtime cost of staff called out to wildfires)
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Mimic natural fire frequencies of natural vegetation**
 2. **Create a mosaic landscape (new, interim, old veld)**
 3. **Fuel / biomass reduction**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Conducting fuel reduction / brush pile / prescribed burns**
 2. **Interagency cooperation (coordination and response)**
 3. **Having an effective Incident Command Structure**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Educating the public on wildland fire management**
 2. **Educating the public on Wildland / Urban Interface Zones**
-

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos fire**
 2. **Light fuels, such as grass and light bush or veld**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. Negligence
2. Arson

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Fynbos is a fire driven ecosystem

Q20

What negative ecological effects result from wildland fire?

Change in vegetation structure and composition

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#44

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 19, 2023 5:26:11 PM
Last Modified: Wednesday, July 19, 2023 5:37:01 PM
Time Spent: 00:10:49
IP Address: 102.23.99.19

Page 2: A. Overview

Q1

Your full name (optional):

Trevor Abrahams

Q2

Your email address (optional):

trevor.abrahams@wofire.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

Human

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Gauteng

In which province do you primarily live in?

Q7

City of Johannesburg Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

c. Wildland Firefighter

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Fatalities**
 2. **damage to property and animal life**
 3. **damage to natural environment and grazing land**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Remove Moribund Vegetation**
 2. **Promote New Growth**
 3. **Reduce Fire risk through fuel load reduction**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Prescribed Burns**
 2. **Fire Breaks**
 3. **Education to pupils and general population**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Better Fire meteorological information**
 2. **More applied Fire research**
 3. **More training and fire awareness education**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Training**
 2. **Fire fighting techniques**
 3. **Fire awareness education**
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23**Respondent skipped this question**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Respondent skipped this question**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Respondent skipped this question**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Respondent skipped this question**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Respondent skipped this question**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#45

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 21, 2023 8:43:25 AM
Last Modified: Friday, July 21, 2023 9:32:31 AM
Time Spent: 00:49:06
IP Address: 197.100.96.82

Page 2: A. Overview

Q1

Your full name (optional):

Elana

Q2

Your email address (optional):

elana.kellerman@capetown.gov.za

Q3

Your gender (optional):

Female

Q4

Your race (optional):

n/a

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

c. Wildland Firefighter,

Your profession – check all that apply

f. Nature Conservator

Q9

15 – 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1.

remove vegetation which makes area prone to land invasion

2.

Too frequent fires in fynbos

3.

Risk to private property (damage to infrastructure) and lives (people & animals)

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Conservation of Biodiversity**
 2. **Wildland fire fighting training in controlled environment**
 3. **Dry biomass removal under controlled environment (risk of runaway fires)**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Conservation of Biodiversity**
 2. **Wildland fire fighting training in controlled environment**
 3. **Dry biomass removal under controlled environment (risk of runaway fires)**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Sharing knowledge**
 2. **Training Fire and Rescue Departments on importance of prescribed burns**
 3. **More stakeholder engagements**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **How to work together with different roleplayers at wildland fires**
 2. **Importance and examples of wildland fire management**
 3. **Examples of wildland fires gone wrong and lessons learned**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos near Grabouw informal settlement**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Coastal Grassland,
Sweet Grassland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Land invasion/human settlements in wildfire prone areas**
 2. **Setting vegetation alight intentionally**
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

If the wilfire takes place in the correct frequencies aligned with the specific vegetation type, it conserves the unique biodiversity and ecological processes of the country.

Q20

What negative ecological effects result from wildland fire?

Too frequent fires interferes with the vegetation structure, and may lead to species loss, erosion and damage the ecological process.

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#46

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 24, 2023 10:08:47 AM
Last Modified: Monday, July 24, 2023 10:20:24 AM
Time Spent: 00:11:37
IP Address: 197.100.96.82

Page 2: A. Overview

Q1

Your full name (optional):

Dale Slabbert

Q2

Your email address (optional):

Dale.Slabbert@capetown.gov.za

Q3

Your gender (optional):

female

Q4

Your race (optional):

white

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

07

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

08

Your profession – check all that apply

c. Wildland Firefighter.

f. Nature Conservator

Q9

3 – 6 years

How long have you been involved in the wildfire industry?

010

What are the three most unwanted effects of wildland fires in South Africa?

1. rangelands burning before the right time (veld age)
 2. encourages woody invasive species to germinate
 3. property and farm damages for uncontrolled fires

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. area is burned under "safe" conditions less damage
 2. can be used as fuel reduction or ecological reasons (burning old veld)
 3. normally these burns are done with woody invasive clearing efforts

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **land owner engagement (fire proofing land and properties)**
 2. **cutting and maintaining fire breaks**
 3. **cross organisation support on fire lines**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Enforcement of fire bylaws on private land owners**
 2. **community education on starting fires**
 3. **homeless people in public open spaces or rangelands (make fires)**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Having well resourced fire fighters**
 2. **having proper incident command and control rooms**
 3. **getting buy in from private and farmers (incentives)**
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire
(e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Respondent skipped this question

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Respondent skipped this question

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#47

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 12:43:04 PM
Last Modified: Tuesday, July 25, 2023 1:31:24 PM
Time Spent: 00:48:20
IP Address: 196.35.11.146

Page 2: A. Overview

Q1

Your full name (optional):

Buhle Mkentane

Q2

Your email address (optional):

Buhle.Mkentane@capetown.gov.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

Black

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

6 – 9 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of human life**
 2. **Loss of property**
 3. **Loss of biodiversity**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Vegetation growth stimulation in fire driven ecosystems**
 2. **Control of moribund material to stimulate new growth for game and livestock feeds.**
 3. **Limitation of fire risk to infrastructure through fuel reduction burns.**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fire awareness campaigns and trainings**
 2. **Becoming an active member of a fire protection association**
 3. **Firebreaks establishment and maintenance**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Investing in employing teams that specifically deal with wildfire/fire education**
 2. **Provide support to FPAs, establish and service FPAs in the rural parts of South Africa**
 3. **Recruitment of Working on Fire staff, and provide better pay**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Technology advancement is most definately better in SA than anywhere else in Africa**
 2. **Team energy management and team building (i.e. fitness on a weekly basis)**
 3. **How to best use the minimal resources in dealing with fire challenges**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Copper wire**
 2. **Rubbish fire**
 3. **Fynbos**
 4. **Grass**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Copper wire burning**
 2. **Rubbish fire**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
Others state that they are keeping snakes away from their homes.

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

New growth for animal grazing and browsing, and also maintenance of an ecosystem if fire driven.

Q20

What negative ecological effects result from wildland fire?

Species loss

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Invasive Alien Vegetation within the grassland biome and its impact on fire management**
 2. **The impact of natural fires on Protea nerifolia**
 3. **The impact of Apartheid and colonial spatial distribution on the lives of people living in squalor: fires being a factor directly associated with staying in squalor**
 4. **Fire as a revolutionary tool: University of Cape Town and Parliament burns as a case study**
-

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Strongly agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#48

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 4:13:20 PM
Last Modified: Tuesday, July 25, 2023 4:28:55 PM
Time Spent: 00:15:34
IP Address: 102.223.125.15

Page 2: A. Overview

Q1

Your full name (optional):

Leon Vermeulen

Q2

Your email address (optional):

leonv@namakwa-dm.gov.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Northern Cape

In which province do you primarily live in?

Q7

Namakwa District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

p. Disaster Management,

Other (please specify):

manager fire services

Q9

15 – 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. loss of grazing
 2. loss of infrastructure
 3. loss of stock

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. new grazing
 2. meet people
 3. better planning

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. planning
 2. communication
 3. involvement

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. skills
 2. funding
 3. equipment

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. planning
 2. best practises

Q15

What types of fuel burn most often in wildland fires in your area?

1. fynbos
2. grass

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Grassy Nama Karoo,
Nama Karoo,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. smoking
2. burning of waste

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

new species, new grass

Q20

What negative ecological effects result from wildland fire?

erosion

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat agree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Neither agree nor disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Neither agree nor disagree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#49

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 4:08:45 PM
Last Modified: Tuesday, July 25, 2023 4:47:44 PM
Time Spent: 00:38:59
IP Address: 209.203.36.20

Page 2: A. Overview

Q1

Your full name (optional):

Davin Chown

Q2

Your email address (optional):

davin@genesis-eco.com

Q3

Your gender (optional):

M

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

d. Volunteer Firefighter

Your profession – check all that apply

Q9

15 – 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Biodiversity loss**
 2. **devastation of tourist areas**
 3. **destruction of local economies e.g. bee keeping**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **reduction of fuel load**
 2. **re-establishment of vegetation/seeding**
 3. **removal, in part, of alien over growth**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **NA**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Inter-agency cooperation**
 2. **More rapid deployment of combatting resources**
 3. **better use of volunteer and localised resources**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Coordination of resources**
 2. **Training and skills development**
 3. **Localised reaction and early warning systems**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **bush and grass and fynbos**
 2. **pine tree plantations - biggest threat after alien vegetation infestations**
 3. **other alien vegetation**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,

Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Wilful fire starting**
 2. **Negligence - informal settlement areas or unattended fires**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Eco system rejuvenation

Q20

What negative ecological effects result from wildland fire?

Biodiversity loss and inability for indigenous vegetation to re-establish after intense alien vegetation fires

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **NA**

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#50

COMPLETE

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Started: Tuesday, July 25, 2023 5:01:09 PM
Last Modified: Tuesday, July 25, 2023 5:14:02 PM
Time Spent: 00:12:53
IP Address: 197.101.84.203

Page 2: A. Overview

Q1

Your full name (optional):

philip myburgh

Q2

Your email address (optional):

Philmyburgh2906@gmail.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
 - c. Wildland Firefighter,
 - d. Volunteer Firefighter,
 - f. Nature Conservator,
 - n. Farmer
-

Q9

6 – 9 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

- 1. **Biodiversity loss**
 - 2. **Loss of infrastructure**
 - 3. **Loss of life**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

- 1. **Healthy fynbos**
 - 2. **Seed germination**
 - 3. **Variable veld age**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

- 1. **Suppression**
 - 2. **Private/public partnerships**
 - 3. **Aerial support**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

- 1. **Private landowner training**
 - 2. **Better spread of funding and management across the country**
 - 3. **Public awareness**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Direct attack methods**
 2. **Volunteer integration**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Brush/ fynbos**
 2. **Grassland**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?
Sour Grassland,
Sweet Grassland,
Thicket,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Camping**
 2. **Direct arson**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Ecosystem function

Q20

What negative ecological effects result from wildland fire?

Too frequent fires can stunt species diversity

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#51

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 5:06:01 PM
Last Modified: Tuesday, July 25, 2023 5:36:32 PM
Time Spent: 00:30:30
IP Address: 105.184.177.101

Page 2: A. Overview

Q1

Your full name (optional):

Patrick Ryan

Q2

Your email address (optional):

patrick@vulcanwildfire.co.za

Q3

Respondent skipped this question

Your gender (optional):

Q4

Respondent skipped this question

Your race (optional):

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

c. Wildland Firefighter,

j. Lecturer,

m. Consultant

Q9

9 – 12 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Loss of biodiversity and indigenous species.
 2. Aggressive fires that are difficult to manage.
 3. Increasing threat to the wildland urban interface.

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Increase in biodiversity.
 2. Reducing areas of high or invasive alien fuel loading.
 3. Increasing the knowledge of working with good fire, which was dying out.
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Increased focus on pre-planning or preventative measures. (Still a long way to go though)
 2. Ability to accomplish objectives with limited resources.
 3. The growing concern around standards and levels of training.
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. The real development of ground crews (people). I.e.; professionalism through training standards that are relevant to South Africa, and the proper payment of people - no more 'labour wages'.
 2. Training in and using the Incident Command System properly, at all levels of the ICS organisation.
 3. Giving the Fire Protection Associations the oversight of all wildfire management activities and supporting the FPAs financially to achieve this.
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. The use of limited resources to achieve objectives.
 2. The concept of the Fire Protection Association.
 3. The use of and training in prescribed fire management.
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Pines**
 3. **Gums**
 4. **Other eucalyptus**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sweet Grassland,
Thicket,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **People living in the bush.**
 2. **People making recreational fires.**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
Linked to protests, unrest and to clearing areas of vegetation for people to move onto and build dwellings on.

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species regrowth and regeneration.

Q20

What negative ecological effects result from wildland fire?

Loss of species and land instability.

Q21

There is sufficient wildland fire related research in South Africa

Strongly disagree

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Rate of spread modelling
 2. Fuel type modelling
 3. Fire Danger Index
 4. Predictive spread modelling
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24 **Strongly agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25 **Somewhat agree**

Rural and Indigenous communities are included in fire prevention programs.

Q26 **Somewhat disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27 **Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#52

INCOMPLETE

| | |
|-----------------------|-----------------------------------|
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| Last Modified: | Tuesday, July 25, 2023 6:03:31 PM |
| Time Spent: | 00:08:41 |
| IP Address: | 197.100.96.82 |

Page 2: A. Overview

Q1

Your full name (optional):

Julia Wood

Q2

Your email address (optional):

julia.wood@capetown.gov.za

Q3

Your gender (optional):

Female

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

15 – 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Costs incurred

2. Damage to infrastructure and property

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Ecosystem restoration**
 2. **Uncontrolled fire risk reduced**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **ICS system**
 2. **FPA**
 3. **Organisations such as WoF/VWS**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Partnerships**
 2. **Funding**
 3. **Link between invasive species management and wildfire management**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Ecological prescribe burn planning**
 2. **Implementation of wild and prescribed fires**
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Respondent skipped this question

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Respondent skipped this question

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#53

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 5:39:45 PM
Last Modified: Tuesday, July 25, 2023 6:07:30 PM
Time Spent: 00:27:45
IP Address: 156.155.178.128

Page 2: A. Overview

Q1

Your full name (optional):

Ian Schnetler

Q2

Your email address (optional):

Schnetlerian@gmail.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. **Firefighter (general),**
- b. **Structural Firefighter,**
- c. **Wildland Firefighter,**
- d. **Emergency Services,**
- r. **Retired**

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Unnecessary damage to natural environment**
2. **Interference with natural environment**
3. **Waste of resources combating unnecessary wildfires**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Restoration of natural habitat**
2. **Controlled land management**
3. **Education of public and services of positive effects of controlled fires**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fire suppression**
2. **Land management**
3. **Increased knowledge**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Internter-services communication**
2. **Inter-services working relationships**
3. **Inter services politics**

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Education & experience**
 2. **Fire suppression management**
 3. **Inter-services relationship**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grasslands**
 2. **Fynbos**
 3. **Urban edge environment**
 4. **Plantations**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Negligence**
 2. **Incendiaryism**
-

Q18

For fires that are set intentionally, what do you think is the "ignitors" intended purpose?

Other (please specify):
Clearing for land occupation & keeping "private services" in business

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity and longevity

Q20

What negative ecological effects result from wildland fire?

Denuding of natural habitat - dying out of species

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1.

Bio- diversity management for structural firefighters

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#54

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 5:52:29 PM
Last Modified: Tuesday, July 25, 2023 6:16:33 PM
Time Spent: 00:24:04
IP Address: 102.219.76.5

Page 2: A. Overview

Q1

Your full name (optional):

Brian William van Wilgen

Q2

Your email address (optional):

BVANWILGEN@SUN.AC.ZA

Q3

Your gender (optional):

Male

Q4 Respondent skipped this question

Your race (optional):

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7 Overberg District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

f. Nature Conservator,

i. Scientist

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Damage to infrastructure
 2. Spreading of alien species
 3. Damage to soil
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Rejuvenation of fire-dependent vegetation**
 2. **Improve rangeland for grazing**
 3. **Reverse bush encroachment**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Good science and understanding of the role of fire**
 2. **Fire Protection Associations**
 3. **A long history of fire management**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Reduce the risk of legal liability, less risk aversion**
 2. **Better training**
 3. **Better management of urban/wildland interface**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Ecological expertise**
 2. **Technical expertise**
 3. **Landscape-level planning**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos shrubland**
 2. **Pine plantations**
 3. **Fynbos invaded by alien trees and shrubs**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Moist Grassland,
Arid Woodland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. Deliberate burning for a range of reasons
 2. Cooking fires
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Rejuvinations of fire-dependent species

Q20

What negative ecological effects result from wildland fire?

Fires that are too frequent eliminate some species; also spread of alien plants

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Guidelines for prescribed burning
-

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#55

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 5:49:24 PM
Last Modified: Tuesday, July 25, 2023 6:18:13 PM
Time Spent: 00:28:48
IP Address: 197.185.105.129

Page 2: A. Overview

Q1

Your full name (optional):

Henri Alexandre Junod

Q2

Your email address (optional):

alexlesjunod@gmail.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

North West

In which province do you primarily live in?

Q7

Bojanala Platinum District Municipality

What district/metropolitan municipality do you live in?

Q8

n. Farmer

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Damage to large indigenous trees caused by very hot fires**
 2. **Threat to farmers: dwellings, crops and livestock.**
 3. **Danger of litigation from neighbours**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Mimic natural burn cycles which regulate vegetation types.**
 2. **Prevent encroachment of problem species eg Dychrostachys**
 3. **Stimulation of growth after fire.**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Very little integrated management unfortunately.**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Better understanding of need for fire in natural environment.**
 2. **Better co-operation between landowners sharing an area in managing natural environment.**
 3. **Better fire management programmes: prevention of unwanted fires, burning of prescribed fires, etc.**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **As above**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grass**
 2. **Bushes**
 3. **Trees (not regularly)**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,

Sweet Grassland,

Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **arsen**
 2. **cigarette buts dropped accidentally**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Maintains healthy balance and diversity of species.

Q20

What negative ecological effects result from wildland fire?

Fires which occur too regularly / are very hot damage climax species, particularly large trees.

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Effects of fire on species composition in different biomes.
2. Change in the effect depending on how often a fire occurs and how hot it is.

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#56

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 6:00:46 PM
Last Modified: Tuesday, July 25, 2023 6:20:48 PM
Time Spent: 00:20:02
IP Address: 102.68.1.53

Page 2: A. Overview

Q1 Respondent skipped this question

Your full name (optional):

Q2 Respondent skipped this question

Your email address (optional):

Q3 Respondent skipped this question

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 No

Do you consider yourself a first nation/indigenous person (optional):

Q6 Western Cape

In which province do you primarily live in?

Q7 Eden District Municipality

What district/metropolitan municipality do you live in?

Q8 m. Consultant

Your profession – check all that apply

Q9 3 – 6 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Damage to infrastructure**
 2. **Loss of grazing**
 3. **Loss of species due to short fire regimes**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Regeneration of vegetation**
 2. **Improved quality of grazing for selected species**
 3. **Clearing of initial infestation of IAS**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Coordinated and cooperative fire management and response**
 2. **Maintenance of an integrated system of firebreaks**
 3. **Commitment of funding for fire management**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Making wildland fire management a more professional career option**
 2. **Improving societal and media awareness of the need for integrated fire management**
 3. **Strengthening fire risk management capabilities**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Aligning fire management with political priorities**
 2. **FPAAs as a means of coordination and cooperation**
 3. **Building capacities for rapid fire response**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. Fynbos
 2. Invasive species
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Coastal Grassland,
Sweet Grassland

Q17

What are the top two causes of human-originated wildfires?

1. Escape of local burns (including braais)
 2. Arson
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Regeneration of selected species

Q20

What negative ecological effects result from wildland fire?

Inability to regenerate because of no seed stock in soil

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Detailed learning from past fire profiles
 2. The social psyche attached to fires and how to change this
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Neither agree nor disagree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#57

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 4:05:28 PM
Last Modified: Tuesday, July 25, 2023 6:30:24 PM
Time Spent: Over a week
IP Address: 197.245.70.49

Page 2: A. Overview

Q1

Your full name (optional):

Daan van Leeuwen Boomkamp

Q2

Your email address (optional):

drakensteinfw@gmail.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
 - b. Structural Firefighter,
 - c. Wildland Firefighter,
 - d. Volunteer Firefighter,
 - p. Disaster Management
-

Q9

9 – 12 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Polution**
 2. **Distruction of wildlife**
 3. **Erosion**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Promote re-growth of fine-bos
 2. Clear old vegetation
 3. Clear land for agriculture
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Setup of private fire fighting entities
 2. Include farming communities in fire prevention
-

Q13

Respondent skipped this question

What are three aspects of wildland fire management that could use improvement in South Africa?

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Respondent skipped this question

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Respondent skipped this question

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#58

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 5:22:00 PM
Last Modified: Tuesday, July 25, 2023 6:39:38 PM
Time Spent: 01:17:38
IP Address: 105.242.18.202

Page 2: A. Overview

Q1

Your full name (optional):

Terry Tedder

Q2

Your email address (optional):

terrytedder@mweb.co.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

KwaZulu Natal

In which province do you primarily live in?

Q7

uMgungundlovu District Municipality

What district/metropolitan municipality do you live in?

Q8

Other (please specify):

Your profession – check all that apply

Fire Protection Officer

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of Earnings**
 2. **Damage to property**
 3. **Huge unwarranted costs of Fire Fighting**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Fuel load reduction**
 2. **Grazing for farm animals**
 3. **Buffer zones**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fire Protection Associations**
 2. **Early Fire Detection with Camera systems**
 3. **Reaction time to fires often less than 30 minutes**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Fire fighting resources in Indigenous community area's**
 2. **Training and awareness into the indigenous community**
 3. **Funding going to the right places**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Training**
 2. **Equipment**
 3. **Early Detection**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. Commercial Forestry Plantations
 2. Grasslands
 3. Sugar Cane

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently? **Moist Grassland, Thicket**

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
2. **Hunting**

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity

Q20

What negative ecological effects result from wildland fire?

Damage to grasses with Hot burns

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Strongly agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Somewhat disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#59

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 6:23:34 PM
Last Modified: Tuesday, July 25, 2023 7:17:57 PM
Time Spent: 00:54:22
IP Address: 41.5.214.173

Page 2: A. Overview

Q1

Your full name (optional):

Matthew Norval

Q2

Your email address (optional):

matthew@wfa.africa

Q3**Respondent skipped this question**

Your gender (optional):

Q4

Respondent skipped this question

Your race (optional):

Q5

Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Eden District Municipality

What district/metropolitan municipality do you live in?

08

f. Nature Conservator

Your profession – check all that apply

09

More than 18 years

How long have you been involved in the wildfire industry?

010

What are the three most unwanted effects of wildland fires in South Africa?

1. threats/damage to human infrastructure and settlements
 2. can stimulate infestation of invasive alien plants.
 3. long term damage to sensitive landscapes and loss of species

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. can protect human settlements and infrastructure.
 2. can be used as a toll to manage invasive alien vegetation.
 3. can stimulate certain fire evolved species

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Where Fire Protection Associations are active they contribute to effective management.
 2. Experienced personnel and mostly good leadership
 3. Mostly good cooperation between agencies
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Certain areas better covered.
 2. Invasive Alien plant build up on private and state land often unchecked and leads to dangerous fuel loads.
 3. Foster improved understanding of pros and cons of wildland fire management amongst general public/local communities affected.e
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Fire Protection Association concept and methodology.
 2. Working on Fire concept/job creation/capacity building model
 3. promotion of understanding of both positive and negative impact of fire on ecosystems
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Natural vegetation/Fynbos
 2. wide range of Invasive alien vegetation
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Arid Woodland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. Fires started to improve grazing/traditional approach that get out of control
 2. arson
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Fire benefits ecosystems and species adapted to fire.

Q20

What negative ecological effects result from wildland fire?

can promote dense infestation of invasive alien plants that benefit from fire such as providing windows of opportunity for germination and rapid spread and growth.

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#60

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 6:41:13 PM
Last Modified: Tuesday, July 25, 2023 7:38:12 PM
Time Spent: 00:56:58
IP Address: 192.143.79.255

Page 2: A. Overview

Q1

Your full name (optional):

Aleksandar Gradinski

Q2

Your email address (optional):

alekgradinski@gmail.com

Q3

Your gender (optional):

male

Q4

Your race (optional):

caucasian

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Limpopo

In which province do you primarily live in?

Q7

Respondent skipped this question

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. **Firefighter (general),**
 - b. **Structural Firefighter,**
 - c. **Wildland Firefighter,**
 - d. **Volunteer Firefighter,**
 - o. **Emergency Services**
-

Q9

3 – 6 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **social impact: loss of lives/social disruption**
 2. **environmental impact: loss of habitat/reduction of vegetation/erosion/pollution**
 3. **economic impact: damage to infrastructure, farming**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **in fynbos for example, fires lead to plants releasing seeds and germinating**
 2. **ash is a source for potassium, phosphorous and magnesium, which can be a source of fertilizer promoting (renewing) growth**
 3. **prescribed fires can also manage habitats reducing future runaway wildfires**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Prevention: fire breaks, safety measures at the rural/urban interface, controlled burns, FPA's**
 2. **Resource availability and readiness through training and response readiness including response protocols and collaboration with farmers, municipal firefighters, air craft support response**
 3. **The Western Cape's ground crews, training, interagency response readiness**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **I live near Hoedspruit Limpopo. There aren't many fires here, although not too long ago there was a runaway wildfire that ran into a few game farms. The local farmwatch took the lead in the fire response and put a lot of their responders in danger. There were a few injuries, but thankfully no deaths. Safety was not followed.**
 2. **My suggestion for this area would be firstly the formation of a more loacalised Fire Protection Association. 2ndly, some form of umbrella association to regulate it.**
 3. **I'd imagine there are areas around the country that could use a similar fire response "revamp"**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Ground crew readiness and training**
 2. **Modular organizational structuring/ICS training/response readiness**
 3. **preventative measures awareness training**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. grass
 2. mopane
 3. acacia
 4. hereroense
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Arid Woodland,
Grassy Nama Karoo,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. campfires
 2. arson
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

seed distribution, fertilization, re-growth

Q20

What negative ecological effects result from wildland fire?

destruction of habitat, pollutants

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23**Neither agree nor disagree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Neither agree nor disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Neither agree nor disagree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#61

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 7:26:18 PM
Last Modified: Tuesday, July 25, 2023 8:02:50 PM
Time Spent: 00:36:31
IP Address: 102.65.66.71

Page 2: A. Overview

Q1

Your full name (optional):

Augustine Morkel

Q2

Your email address (optional):

augustine_morkel@yahoo.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

Coloured

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator,

Your profession – check all that apply

m. Consultant

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of lives**
 2. **Ecological impact**
 3. **Loss of property**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Ecological processes enablement**
 2. **Community building**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Legislation**
 2. **Capacity**
 3. **Experience**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Agreed collective and coordinated resource plans**
 2. **Prescribed burning**
 3. **Citizen co ownership**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Legislation**
 2. **Strategy**
 3. **Resource Planning**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos vegetation**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

- Sour Grassland,**
 - Coastal Grassland,**
 - Sweet Grassland,**
 - Moist Grassland,**
 - Arid Woodland,**
 - Sparse Arid Woodland,**
 - Thicket,**
 - Fynbos,**
 - Renosterveld**
-

Q17

What are the top two causes of human-originated wildfires?

1. **Roadside ignitions**
 2. **Urban ignitions**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

All of the above at the scientifically recommended season and frequency for the vegetation type

Q20

What negative ecological effects result from wildland fire?

If at the incorrect frequency, loss of biodiversity and increased risk of runaway fires

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Why there is collective action failure**
 2. **How to improve collective action**
 3. **Resistance to prescribed burning**
 4. **Stakeholders resistance to living with fire rather than embracing it and how to switch it around**
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat disagree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#62

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 14, 2023 8:09:50 AM
Last Modified: Tuesday, July 25, 2023 8:58:51 PM
Time Spent: Over a week
IP Address: 41.0.200.130

Page 2: A. Overview

Q1

Your full name (optional):

Wendy Tawse

Q2

Your email address (optional):

wtawse@capenature.co.za

Q3

Your gender (optional):

Female

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

c. Wildland Firefighter,

d. Volunteer Firefighter,

Other (please specify):

Administrator

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Property damage**

2. **Reduced soil fertility and destruction of vegetation**

3. **Air and water pollution and destruction of wildlife**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Many plants in our region are adapted to survive in environments with fire and some even depend on fire to help them grow and disperse.**

2. **Fuel Reduction (modification) to control veld age**

3. **Agricultural production**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Competent and Confident Leadership**

2. **Co-ordinating efforts (resources)**

3. **Partnerships**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Implementation of ICS**
 2. **Implementation of IMT's**
 3. **Partnerships**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **ICS**
 2. **IMT's**
 3. **Resources**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Alien Vegetation**
 3. **Farmlands**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,

Fynbos,

Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Malicious (intentional)**
 2. **Mechanical**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):

Housing together with unrest and grazing

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Some species have evolved to depend on fires for their reproduction.

Q20

What negative ecological effects result from wildland fire?

If fire interval is too short then some species can be lost.

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#63

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 9:30:43 PM
Last Modified: Tuesday, July 25, 2023 10:03:02 PM
Time Spent: 00:32:19
IP Address: 165.165.112.23

Page 2: A. Overview

Q1

Your full name (optional):

Angelo

Q2

Your email address (optional):

aaplon@overstrand.gov.za

Q3

Your gender (optional):

male

Q4 Respondent skipped this question

Your race (optional):

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Overberg District Municipality

What district/metropolitan municipality do you live in?

Q8

b. Structural Firefighter

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Distruction of properties (houses)**
 2. **Loss of income**
 3. **Loss of biodiversity**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Mosaic - Different veld age**
 2. **Protect properties (young veld)**
 3. **Improve Biodiversity**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Creation of fire breaks**
 2. **Prescribe burns**
 3. **Fuel reduction burns**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Land owners must take accountability for their properties**
 2. **More prescribe burns**
 3. **Improve landscape management**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Capacity of fire services**
 2. **Commercialising of fire services**
 3. **Veld management**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Aliens**
 3. **Palmiet**
 4. **Grass**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,

Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Emergency flairs**
 2. **Escape Fires**
-

Q18

Unrest

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

diversity

Q20

What negative ecological effects result from wildland fire?

frequent fire, loss of species

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Suppression techniques
 2. Type of training presented to firefighters
 3. Impact of the Wildland Urban Interface
 4. Financial losses after wildfires
-

Q23

Strongly disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

- Q24** **Strongly disagree**

There are national or regional wildland fire prevention and fire management programs or plans.

- Q25** **Neither agree nor disagree**

Rural and Indigenous communities are included in fire prevention programs.

- Q26** **Somewhat agree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

- Q27** **Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#64

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 5:52:43 AM
Last Modified: Wednesday, July 26, 2023 6:01:19 AM
Time Spent: 00:08:35
IP Address: 184.151.230.8

Page 2: A. Overview

Q1 Respondent skipped this question

Your full name (optional):

Q2 Respondent skipped this question

Your email address (optional):

Q3 Respondent skipped this question

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 No

Do you consider yourself a first nation/indigenous person
(optional):

Q6 Western Cape

In which province do you primarily live in?

Q7 City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8 c. Wildland Firefighter,
d. Volunteer Firefighter,
o. Emergency Services

Your profession – check all that apply

Q9 9 – 12 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Unhealthy ecology
 2. Water insecurity
 3. Property/livelihood destruction
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Catastrophic wildfire damage mitigation
 2. Ecologically beneficial fire behaviour
 3. Air quality improvements
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Effective suppression
 2. Interagency collaboration
 3. Pockets of high quality work
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Standardisation of certifications
 2. Fuel Management
 3. Better/more universal training
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Training
 2. Resources (personnel)
 3. Bilateral agreements
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Respondent skipped this question

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Respondent skipped this question

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#65

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 6:51:19 AM
Last Modified: Wednesday, July 26, 2023 7:08:59 AM
Time Spent: 00:17:40
IP Address: 196.35.11.146

Page 2: A. Overview

Q1

Your full name (optional):

Joy Garman

Q2

Your email address (optional):

joy.garman@capetown.gov.za

Q3

Your gender (optional):

female

Q4

Your race (optional):

white

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

Other (please specify):

Environmentalist

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Too frequent therefore loss of habitat**
 2. **Too hot therefore loss of habitat**
 3. **uncontrolled**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Trigger seed growth**
 2. **New growth for resprouters**
 3. **Preserving rare species**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Firebreaks**
 2. **Alien clearing ie. fuel load reduction**
 3. **Well trained personnel**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Better equipment and more funding**
 2. **More alien clearing**
 3. **More access to helicopters**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Training**
 2. **Expertise**
 3. **Helicopters**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Alien vegetation**
 2. **Indigenous vegetation older than 15 years**
 3. **Senescent reedbeds**
-

Q16

Fynbos

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Paraffin lamps**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species preservation ie. diversity

Q20

What negative ecological effects result from wildland fire?

Faunal mortality (too hot or trapped)

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Psychology behind arson
2. Educate people living near nature areas

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24 **Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25 **Somewhat disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26 **Somewhat disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27 **Strongly agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#66

COMPLETE

| | |
|-----------------------|-------------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Wednesday, July 26, 2023 6:42:46 AM |
| Last Modified: | Wednesday, July 26, 2023 7:24:30 AM |
| Time Spent: | 00:41:44 |
| IP Address: | 196.35.11.146 |

Page 2: A. Overview

Q1

Your full name (optional):

Clinton Manuel

Q2

Your email address (optional):

Clinton.Manuel@capetown.gov.za

Q3

Your gender (optional):

Male

Q4 **Respondent skipped this question**

Your race (optional):

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
 - b. Structural Firefighter,
 - c. Wildland Firefighter,
 - d. Emergency Services,

Other (please specify):

Chief Fire Officer

09

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. building damage especially along the urban fringe
 2. reduction of vegetation cover
 3. air pollution
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. helps fynbos to reproduce
 2. clear forest floor
 3. converts surface litter into nutrients for plants to grow
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. quick response to wildland fires
 2. aerial firefighting support
 3. fire breaks
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. fuel reduction
 2. prescribed burns
 3. land owner responsibility
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. summer response preparedness
 2. Fire Danger Indication
 3. Aerial firefighting support
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. fynbos
 2. gum trees
 3. pine trees
 4. bush and grass
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Thicket,
Fynbos,
Renosterveld,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. discarding of lit cigarette butts
 2. fires used for cooking not properly extinguished afterwards
-

Q18

Fuel Management

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

In the Western Cape the fynbos reproduction

Q20

What negative ecological effects result from wildland fire?

Wildland fires often lead to infrastructure and building damage

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Wildland Fire prevention
 2. Plant species which could be natural buffers
 3. Alternate use of cut fuel load other than burning
 4. Wildfire Management
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#67

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 25, 2023 5:59:36 PM
Last Modified: Wednesday, July 26, 2023 7:28:52 AM
Time Spent: 13:29:15
IP Address: 41.71.25.227

Page 2: A. Overview

Q1 Respondent skipped this question

Your full name (optional):

Q2 Respondent skipped this question

Your email address (optional):

Q3 Respondent skipped this question

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person
(optional):

Q6 Respondent skipped this question

In which province do you primarily live in?

Q7 **Cape Winelands District Municipality**

What district/metropolitan municipality do you live in?

Q8 Other (please specify):

Your profession – check all that apply Fire protection association chairman

Q9 **9 – 12 years**

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Ecological damage**
 2. **Agriculture damage**
 3. **Property damage**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Water security**
 2. **Improved indigenous regrowth**
 3. **Fewer wild fires**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Prescribed burning**
 2. **Fire breaks**
 3. **Invasive vegetation removal**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Integrated management**
 2. **Prevention awareness**
 3. **Private partnerships**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Wild fire prevention**
 2. **Wildfire management**
 3. **Operation training**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Invasive vegetation**
 3. **Forests**
 4. **Vinyards**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Thicket,

Fynbos,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. Religious practice
 2. Ignorance
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity

Q20

What negative ecological effects result from wildland fire?

Destruction of ecosystems

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Benefits of integrated management
 2. Alignment of legislation and prosecutions
 3. Awareness to all communities
 4. IMT benefits
-

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24 **Strongly agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#68

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 2:38:49 PM
Last Modified: Wednesday, July 26, 2023 8:01:20 AM
Time Spent: Over a week
IP Address: 197.100.96.82

Page 2: A. Overview

Q1

Your full name (optional):

Penelope Glanville

Q2

Your email address (optional):

Penelope.glanville@capetown.gov.za

Q3

Your gender (optional):

female

Q4

Your race (optional):

South African

Q5

Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

09

15 – 18 years

How long have you been involved in the wildfire industry?

010

What are the three most unwanted effects of wildland fires in South Africa?

1. Too frequent fires will affect Biodiversity
 2. Stimulating recruitment of invasive alien plant species
 3. Loss of life and infrastructure

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Optimal Fire regime for specific fire driven vegetation types
 2. Maximum biodiversity of flora to support indigenous fauna
 3. Mosaic burning to prevent large uncontrolled fires

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Prescribed ecological burning of veld according to fire regime
 2. Inter agency relationships and support
 3. Passionate fire fighters, OPerational and planning staff.

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Employment of full time professional wildland fire fighters.
 2. Increase ecological burning programs
 3. Education of public regarding need to burn and reasons for this.
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Ensure financial support for municipal fire fighting bodies
 2. Employment and contracts with specialist agencies as support
 3. Using ICS to be on par with international standards
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Invasive alien species such as Port Jackson, Pines, Gums
 2. Road side grasses and shrubs
 3. Fynbos
 4. Strandveld
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sweet Grassland,

Thicket,

Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. Homeless people cooking fires
 2. Cigarettes thrown from window of car igniting road side vegetation
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):

to cause chaos and obtain some weird type of fame

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

if within appropriate fire regime, increased biodiversity, ecosystem health

Q20

What negative ecological effects result from wildland fire?

too frequent fires may cause local extinction of species

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Effects drip torch fuel has on vegetation types, alternative ignition sources**
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Neither agree nor disagree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#69

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 7:24:11 AM
Last Modified: Wednesday, July 26, 2023 8:04:16 AM
Time Spent: 00:40:04
IP Address: 197.100.96.82

Page 2: A. Overview

Q1

Your full name (optional):

Clifford Dorse

Q2

Your email address (optional):

clifford.dorse@capetown.gov.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
 - c. Wildland Firefighter,
 - f. Nature Conservator
-

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life**
 2. **Loss of property**
 3. **Negative ecological impacts if too frequent, wrong season, or dense alien vegetation. Fire prevention and fighting techniques can cause**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Ecological processes (critical driving force in many ecosystems)**
 2. **Management of alien vegetation and critical component ecological restoration.**
 3. **Important for some farming practices.**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Very good response teams - lots of expertise**
 2. **Excellent volunteer support**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Narrative that fire destroys nature is wrong (especially in Fynbos biome)**
 2. **The link between fire management, alien vegetation control and restoration needs to be strengthened.**
 3. **Fire response can be extremely destructive in sensitive systems - e.g. bulldozing**
-

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Q15

What types of fuel burn most often in wildland fires in your area?

1. Alien annual herbaceous grasses - in summer when dead.
 2. Fynbos
 3. Cleared / felled alien vegetation
 4. Houses built in the wrong place with thatch roofs!
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Sweet Grassland,
Moist Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. Bush sleepers, people burning scrap, arson etc. (so many)
 2. Ecological management (specifically in the City)
-

Q18

Fuel Management

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Critical ecosystem driving force in many systems.

Q20

What negative ecological effects result from wildland fire?

Too frequent, unseasonal or too intense (from alien vegetation biomass). Some ecosystems should not burn.

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Ideal ecological fire regimes for some systems is not known.
2. Optimising the relationship between fire, alien vegetation management and restoration
3. Managing the ecological impacts of fire (especially on fauna) on isolated nature reserves or remnants.

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#70

COMPLETE

| | |
|-----------------------|-------------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Wednesday, July 26, 2023 8:00:48 AM |
| Last Modified: | Wednesday, July 26, 2023 8:28:12 AM |
| Time Spent: | 00:27:24 |
| IP Address: | 196.223.139.174 |

Page 2: A. Overview

Q1

Your full name (optional):

Ruan Matthee

Q2

Your email address (optional):

eastmanager@cpfpa.org.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

c. Wildland Firefighter,

f. Nature Conservator

Q9

6 – 9 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Ecological Damage**
 2. **Structure damage or loss**
 3. **Life threatening**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Fuel Reduction / Risk reduction**
 2. **Revival of fire dependant landscapes**
 3. **Increase soil fertility**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Incident Command Structure (when implemented correctly)**
 2. **Early detection (only certain agencies/municipalities)**
 3. **Collaboration of multiple agencies**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **more people on the ground vs vehicles**
 2. **Implementation of ICS**
 3. **Pre season planning: identify risks, awareness, etc.**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Resources**
 2. **Sharing of Knowledge**
 3. **ICS if not yet incorporated**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. Alien Invasive Vegetation
 2. Fynbos
 3. Grass
 4. Plantation
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. Vagrant / Cooking Fires
 2. Arson
-

Q18

Unrest

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Revival of fire dependant biomes

Q20

What negative ecological effects result from wildland fire?

To frequent fires or too hot fires causes species loss

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. N/A
-

Q23**Neither agree nor disagree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Neither agree nor disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#71

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 7:43:58 AM
Last Modified: Wednesday, July 26, 2023 8:29:24 AM
Time Spent: 00:45:26
IP Address: 169.0.103.28

Page 2: A. Overview

Q1

Your full name (optional):

Guy Deacon

Q2

Your email address (optional):

guy@meatnaturallyafrica.com

Q3

Your gender (optional):

male

Q4 Respondent skipped this question

Your race (optional):

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6 **Western Cape**

In which province do you primarily live in?

Q7 **City of Cape Town Metropolitan Municipality**

What district/metropolitan municipality do you live in?

Q8 **f. Nature Conservator,**

Your profession – check all that apply

Other (please specify):

Community-based fire manager

Q9 **15 – 18 years**

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life and livelihoods**
2. **Loss of above and below ground carbon stocks.**
3. **Reduction in biodiversity**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Prescribed burning for wildfire protection**
2. **To reduce moribund vegetation**
3. **Useful tool to manage invasive plants and improve soil fertility.**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **ICS**
 2. **Response time to a wildfire**
 3. **Community-based wildfire prevention**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **quick access to emergency funds for post fire activities**
 2. **Funding for fire prevention and protection measures**
 3. **Better wildfire awareness and preparedness in rural areas**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Community-based fire management on communal (traditional) lands**
 2. **Wildfire prevention and protection tools for protection of rangelands**
 3. **Wildland strategies to unlock carbon financing**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Invasive alien plants**
 2. **Fynbos**
 3. **grasslands**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

- Sour Grassland,**
Coastal Grassland,
Sweet Grassland,
Moist Grassland,
Fynbos
-

Q17

What are the top two causes of human-originated wildfires?

1. Negligence from recreational activities
 2. Livestock farmers burning for "green flush"
-

Q18

Fuel Management

For fires that are set intentionally, what do you think is the "ignitors" intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

species diversity

Q20

What negative ecological effects result from wildland fire?

If fire is used too frequently it will result in loss of species biodiversity and soil composition

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Strongly disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#72

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 7:59:01 AM
Last Modified: Wednesday, July 26, 2023 8:30:48 AM
Time Spent: 00:31:47
IP Address: 105.186.195.2

Page 2: A. Overview

Q1

Your full name (optional):

Paul Lutz

Q2

Your email address (optional):

palutz@gmail.com

Q3

Your gender (optional):

male

Q4

Your race (optional):

white

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- c. Wildland Firefighter,
 - d. Volunteer Firefighter,
 - o. Emergency Services
-

Q9

12 – 15 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. habitat destruction, not allowing indigenous plants time to develop enough to seed so alien vegetation moves in
 2. crop destruction
 3. infrastructure damage
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. fynbos is a fire dependant ecology for regeneration
 2. fuel reduction
 3. job creation
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. job creation (WOF)
 2. a strong focus on conservation in the western cape
 3. making do with very limited resources
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. ICS
 2. funding
 3. training and awareness in rural communities
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Government extended works programmes (WOF and affiliated groups)
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Invasive plant species
 2. Fynbos
 3. grasses
 4. plantation
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Thicket,

Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. cooking / heating fires
 2. arson (often bored children)
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):

Close to urban areas it is often bored children

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Fynbos regeneration

Q20

What negative ecological effects result from wildland fire?

too frequent burning allows invasive species to outcompete indigenous species

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#73

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 6:39:03 AM
Last Modified: Wednesday, July 26, 2023 8:40:29 AM
Time Spent: 02:01:26
IP Address: 164.151.5.19

Page 2: A. Overview

Q1

Your full name (optional):

Marlu

Q2

Your email address (optional):

marthinus.rust@westerncape.gov.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

white

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Overberg District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- b. Structural Firefighter,
 - c. Wildland Firefighter,
 - d. Emergency Services,
 - e. Disaster Management
-

Q9

12 – 15 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

- 1. loss of life
 - 2. loss of property/environment
 - 3. loss of livelihood
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

- 1. Improved biodiversity
 - 2. landscape management/fire management
 - 3. Agricultural benefits
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

- 1. Functional Fire Services/ Fire Protection Associations (WC)
 - 2. Incident Management Systems (WC)
 - 3. Provincial Fire related support to fire services (WC)
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

- 1. If Wildlandfire fighting became an Provincial competency
 - 2. Professionalisation of Wildland Fire Fighters
 - 3. Legislation enforcement (landscape management)
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Incident Management Systems**
 2. **Various Fire Support systems (community, landowner, municipal and provincial driven))**
 3. **Strategic session/ workgroups**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Port Jackson**
 3. **Rooikrans**
 4. **Wattle**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,

Fynbos,

Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **negligence**
 2. **malicious ignition**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):

can be all of the above

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

regeneration - cleaning old dead material, reducing fuel load ect.

Q20

What negative ecological effects result from wildland fire?

to frequent burn can lead to specy losses/ contribute to air pollution (green house gasses) ect

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Strongly agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#74

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 11:50:06 AM
Last Modified: Wednesday, July 26, 2023 8:44:16 AM
Time Spent: Over a week
IP Address: 105.247.180.253

Page 2: A. Overview

Q1

Your full name (optional):

Philip Cox

Q2

Your email address (optional):

phil@evsolutions.biz

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

KwaZulu Natal

In which province do you primarily live in?

Q7

eThekweni Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- c. Wildland Firefighter,
 - e. Forester,
 - m. Consultant,
 - o. Emergency Services
-

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **loss of life**
 2. **economic impact**
 3. **environmental impact**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **protection of property**
 2. **ecosystem management**
 3. **awareness**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **integrated fire management plans**
 2. **land owners/managers working together**
 3. **fire awareness**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **local government involvement**
 2. **DM integration**
 3. **early detection**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Remote detection**
 2. **Fire risk mapping**
 3. **FPA structures**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Plantation**
 2. **agricultural land**
 3. **natural vegetation**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,

Sparse Arid Woodland,

Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **arson**
 2. **negligence**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

species diversity

Q20

What negative ecological effects result from wildland fire?

species destruction

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Interaction between fire people and ecology**
-

Q23**Strongly disagree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Somewhat disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#75

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 8:32:11 AM
Last Modified: Wednesday, July 26, 2023 8:46:48 AM
Time Spent: 00:14:37
IP Address: 136.226.217.73

Page 2: A. Overview

Q1 **Respondent skipped this question**

Your full name (optional):

Q2 **Respondent skipped this question**

Your email address (optional):

Q3 **Respondent skipped this question**

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6 Western Cape

In which province do you primarily live in?

Q7 City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8 a. Firefighter (general),

Your profession – check all that apply f. Nature Conservator

Q9 12 – 15 years

How long have you been involved in the wildfire industry?

Q10 What are the three most unwanted effects of wildland fires in South Africa?

1. Property damage
2. Injuries to people
3. Negative impact on the natural environment

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Seed germination
2. Re-generation of fynbos
3. Decrease of wildfire risk by doing prescribed burns.

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Prescribed burning
2. Sufficient training of staff
3. Vegetation management

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Upskilling of government funded staff**
 2. **Collaboration between stakeholders**
-

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos vegetation**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Arid Woodland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Arrogance**
 2. **Incompetence**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Re-generation of fynbos and species diversity

Q20

What negative ecological effects result from wildland fire?

Loss of species in too frequent fires

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#76

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 7:43:01 AM
Last Modified: Wednesday, July 26, 2023 8:47:53 AM
Time Spent: 01:04:52
IP Address: 164.151.5.20

Page 2: A. Overview

Q1

Your full name (optional):

Etienne du toit

Q2

Your email address (optional):

etienne.dutoit@westerncape.gov.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

Caucasian

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

a. Firefighter (general),

p. Disaster Management

Q9

12 – 15 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Societal disruption, loss of lives, injuries, displacement.**
 2. **Economic losses ie. damage to infrastructure**
 3. **Creation of secondary hazards that may potentially lead to disasters ie. flooding, erosion, mudslides etc**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Ecological system and biodiversity stimulation and management.**
 2. **Risk reduction**
 3. **Control of Invasive Alien Vegetation**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Response, although overemphasized**
 2. **Preparedness-at certain levels not generalized**
 3. **Not part of cycle but high level of expertise available**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Post fire recovery and rehabilitation**
 2. **Preparedness**
 3. **Prevention-including awareness and use of prescribed burning**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Prevention, risk reduction ie. fuel load management prescribed burning etc.**
 2. **Response- command and control ie.**
 3. **Preparedness-systemic and societal**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. Fynbos, mostly medium but occasionally heavy fuel type
 2. Renosterveld, mostly medium
 3. Alien Invasives, light medium and heavy,
 4. Commercially introduced species, ie timber production Pinaster , medium to high
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Thicket,

Fynbos,

Renosterveld,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. Negligence-open fire not contained, careless discarding of ignition sources
 2. Intentional-deliberate fire setting
-

Q18

For fires that are set intentionally, what do you think is the "ignitors" intended purpose?

Other (please specify):

Combination of the above

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Stimulates new growth, reduces "dead" organics.

Q20

What negative ecological effects result from wildland fire?

Alteration of soil property leading to erosion, stimulation of Alien Invasive growth.lien

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22**Respondent skipped this question**

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23**Somewhat agree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Neither agree nor disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Neither agree nor disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#77

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 8:27:48 AM
Last Modified: Wednesday, July 26, 2023 9:02:57 AM
Time Spent: 00:35:09
IP Address: 163.116.180.49

Page 2: A. Overview

Q1

Your full name (optional):

Jurina le Roux

Q2

Your email address (optional):

lerouxju@eskom.co.za

Q3

Your gender (optional):

Female

Q4 Respondent skipped this question

Your race (optional):

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
- b. Structural Firefighter,
- c. Wildland Firefighter,
- f. Nature Conservator,
- o. Emergency Services

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Damage to property
2. Air pollution
3. Erosion and habitat loss

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Seed stimulation and germination**
 2. **Fuel load reduction especially moribund vegetation**
 3. **Improves habitat**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fuel management**
 2. **Invasive species clearing**
 3. **Fire access**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Invasive species management**
 2. **Fire risk management of urban edge**
 3. **Fire break clearing and vegetation load management**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Same as above**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Invasive vegetation**
 2. **Fynbos**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

- Sour Grassland,**
Sweet Grassland,
Arid Woodland,
Fynbos,
Forest
-

Q17

What are the top two causes of human-originated wildfires?

1. Burning of rubbish
 2. Hotwork
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Habitat diversity

Q20

What negative ecological effects result from wildland fire?

Air pollution

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Impact of fires on invasive species management
-

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#78

COMPLETE

Collector: Web Link 1 (Web Link)
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Time Spent: 00:53:08
IP Address: 41.13.192.14

Page 2: A. Overview

Q1

Your full name (optional):

DALE NORTJE

Q2

Your email address (optional):

manager@winelandsfpa.co.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

white

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

c. Wildland Firefighter,

e. Forester,

m. Consultant

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **threats to life and property**
 2. **threats to livelihoods, food security and job security**
 3. **threats to ecosystems as a result of increased fire frequency**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **improved natural vegetation bio-diversity if applied properly**
 2. **fuel load management**
 3. **risk reduction. this is only part of fire triangle controllable**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **the concept of Fire Protection Associations (FPA's)**
 2. **National legislation pertaining to veld and forest fires**
 3. **varied expertise available through various roleplayers**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **empowering FPA's for sustainability**
 2. **enforcement of the legislation and alignment of by-laws**
 3. **development of both capacity and competence of roleplayers**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Expertise in Integrated Fire Management**
 2. **Development, research and training in IFM**
 3. **Suppression resources if requested and funded**
-

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Grassy Nama Karoo,
Fynbos,
Renosterveld,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. **warming/cooking fires left unattended**
 2. **deliberate due to various unlawful activities**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
various unlawful activities eg cable theft, unrest etc.

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

bio-diversity, ecosystem improvement, improved grazing.

Q20

What negative ecological effects result from wildland fire?

altered natural vegetation due to increased frequency of fires

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Effects of changing weather patterns on fire frequency and behaviour
2. risk vs reward for prescribed burning
3. actual scientific based reports on 1 above

Q23

Strongly disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat disagree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#79

COMPLETE

Collector: Web Link 1 (Web Link)
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Time Spent: 00:34:44
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Page 2: A. Overview

Q1

Your full name (optional):

Bernardus Groenewald

Q2

Your email address (optional):

bernardus@overbergwildfirevolunteers.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Overberg District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
 - c. Wildland Firefighter,
 - d. Volunteer Firefighter,
 - f. Nature Conservator,
 - m. Consultant,
 - o. Emergency Services,
 - p. Disaster Management
-

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of property and lively hoods**
 2. **Damage to property**
 3. **Damage to eco systems**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **To promote eco systems**
 2. **Growth of new vegetation**
 3. **Rehabilitation of natural vegetation**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Monitoring growth of vegetation**
 2. **Positive outcome of prescribed burning**
 3. **Managing of natural vegetation after prescribed burning**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Better planning**
 2. **Better excision of burning**
 3. **Better communication and availability of resources**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Our knowledge of our natural vegetation**
 2. **The manner in which we execute prescribed burning**
 3. **Build partnerships**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Semi forests**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Negligence (un-educated humans on fire behavior)**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Positive growth and sprouting of new species

Q20

What negative ecological effects result from wildland fire?

Restriction of new growth or complete extinction of fauna

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **To educate farmers on fuel reduction and land management**
-

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Strongly disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat disagree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#80

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 8:32:35 AM
Last Modified: Wednesday, July 26, 2023 10:35:20 AM
Time Spent: 02:02:45
IP Address: 196.25.35.174

Page 2: A. Overview

Q1

Your full name (optional):

Gerhard Otto

Q2

Your email address (optional):

gotto@grdm.gov.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Eden District Municipality

What district/metropolitan municipality do you live in?

Q8

p. Disaster Management

Your profession – check all that apply

Q9

15 – 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life**
 2. **Loss of biodiversity**
 3. **Loss of critical infrastructure**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Part of fire regime, fynbos need fire**
 2. **Fuel load risk reduction**
 3. **Reduce risk to people**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fire Protection Agencies**
 2. **Fire Management Units**
 3. **Incident Command System**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **The division of fire services between Local and District authorities**
 2. **Integrated wildfire management training**
 3. **Wildfire firefighting specialist training**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Using fire to fight fire**
 2. **The "uurtjie vuurtjie" program run by the Western Cape Disaster Center**
 3. **FPA program**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Invasive alien species like black wattle and rooikrans**
 2. **Fynbos**
 3. **Hakia**
 4. **Renosterbos**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,
Renosterveld,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. **Block burns that jump**
 2. **ESKOM power lines**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
Part of reed production. Reeds used for thatched roofs.

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Fir is part of the natural fynbos regime.

Q20

What negative ecological effects result from wildland fire?

Erosion after fires

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. The impact of invasive alien plants on fire in SA
 2. Where should the wildland fire management function reside?
 3. Funding resources to ensure sustainable wildland fire management.
 4. International best practices that could be adopted by SA to ensure better wildland fire management.
-

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#81

COMPLETE

| | |
|-----------------------|--------------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Wednesday, July 26, 2023 9:25:49 AM |
| Last Modified: | Wednesday, July 26, 2023 10:43:41 AM |
| Time Spent: | 01:17:51 |
| IP Address: | 102.165.120.8 |

Page 2: A. Overview

Q1

Your full name (optional):

Chris Martens

Q2

Your email address (optional):

chris@fynbos-trust.co.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

caucasian

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Overberg District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

f. Nature Conservator,

i. Scientist,

k. Landowner

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Altering of the natural fire regime**
 2. **Densification and spread of Invasive alien plants**
 3. **Threat to infrastructure and resultant high suppression costs**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Restore natural mosaic of veld age**
 2. **If applied correctly a cost effective management tool (IAPs)**
 3. **Fuel load management to reduce environmental and infrastructure risk**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fuel load management**
 2. **restoration of natural processes**
 3. **IAP management where above aspects are in place**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Landscape scale planning and implementation of prescribed fire**
 2. **enabling (through planned management interventions) use of wildfires to attain relevant management objectives**
 3. **support and buy in to a wider landscape scale approach**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Suppression protocols and systems**
 2. **Integrated fire and IAP management**
 3. **Science based fire management in catchments and relevant biomes**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos (10 to 15 years)**
 2. **Dense Invasive alien stands**
 3. **Urban Wildland interface**
 4. **Areas associated with informal settlements**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,

Coastal Grassland,

Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Powerlines**
 2. **negligence**
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

ecosystem processes, diversity

Q20

What negative ecological effects result from wildland fire?

IAP densification and spread, erosion, local plant extinctions in shortened and unseasonal fire cycles

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#82

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 10:26:37 AM
Last Modified: Wednesday, July 26, 2023 10:47:12 AM
Time Spent: 00:20:35
IP Address: 41.0.200.130

Page 2: A. Overview

Q1

Your full name (optional):

Wayne

Q2

Your email address (optional):

wayne.scfpa@gmail.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Eden District Municipality

What district/metropolitan municipality do you live in?

Q8

c. Wildland Firefighter

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Invasive Alien Vegetation**
 2. **Destruction of property**
 3. **Soil Erosion**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Regermination of indigenous vegetation**
 2. **Fuel load reduction**
 3. **Increase of water in catchments**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Community awareness and precaution
 2. Prescribed burning practices
 3. Implementation of legislation
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Buffer zones around the WUI
 2. Co-operation between town planners and fire management
 3. Funding for removing invasive alien plants
-

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Indigenous - Fynbos
 2. Invasive - Wattle, Eucalyptus
 3. Forestry pine
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,

Renosterveld,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. Prescribed burning during unfavourable weather conditions
 2. Arson
-

Q18

Unrest

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Increase in water flow from mountain catchments

Q20

What negative ecological effects result from wildland fire?

Invasive alien plants

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Control of invasive alien vegetation
 2. Long term impacts of climate change
-

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#83

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 10:21:40 AM
Last Modified: Wednesday, July 26, 2023 10:49:31 AM
Time Spent: 00:27:51
IP Address: 196.15.149.41

Page 2: A. Overview

Q1

Your full name (optional):

Paul Johannes Gerber

Q2

Your email address (optional):

pgerber@dff.e.gov.za

Q3

Your gender (optional):

Male

Q4 Respondent skipped this question

Your race (optional):

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Eden District Municipality

What district/metropolitan municipality do you live in?

Q8

e. Forester

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss to economic assets**
 2. **Loss to environmental assets**
 3. **Loss to social assets**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Burning for ecological biodiversity**
 2. **Fuel load reduction**
 3. **Management tool for farmers and foresters**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **FPA's**
 2. **Awareness**
 3. **Using fire as a management tool**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **More prescribed burning**
 2. **More support to Fire Protection Associations**
 3. **Creation of buffer zones in the bigger landscape**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Awareness**
 2. **Prescribed Burning**
 3. **Utilization of ICS**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. Fynbos
 2. Plantations
 3. Alien invasive plant species
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Arid Woodland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. Negligence from land owners
 2. Vagrants making cooking or heating fires
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
Negligence

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity, ecosystem services

Q20

What negative ecological effects result from wildland fire?

Loss of biodiversity with to infrequent fires

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Fuel load models
 2. Early detection
 3. Fire spread models
 4. Fire weather models
-

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24 **Somewhat agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25 **Somewhat agree**

Rural and Indigenous communities are included in fire prevention programs.

Q26 **Somewhat agree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27 **Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#84

COMPLETE

| | |
|-----------------------|--------------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Wednesday, July 26, 2023 10:42:33 AM |
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| Time Spent: | 00:31:03 |
| IP Address: | 196.251.24.143 |

Page 2: A. Overview

Q1 Respondent skipped this question

Your full name (optional):

Q2 Respondent skipped this question

Your email address (optional):

Q3 Respondent skipped this question

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6 Western Cape

In which province do you primarily live in?

Q7 Eden District Municipality

What district/metropolitan municipality do you live in?

Q8 **c. Wildland Firefighter,**

Your profession – check all that apply **f. Nature Conservator,**

p. Disaster Management,

Other (please specify):

Fire Protection Association Regional Manager

Q9 More than 18 years

How long have you been involved in the wildfire industry?

Q10 What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of lives**

2. **Loss of infrastructure**

3. **Loss of Habitat and ecological diversity**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Fuel load management**
 2. **Habitat protection and ecological bio-diversity**
 3. **Alien vegetation control**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Biodiversity maintained**
 2. **Fuel load managed**
 3. **Certain Water catchment regions well managed**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Controlled burning**
 2. **Alien vegetation control**
 3. **Ecological biodiversity management**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Fire break management**
 2. **NVFFA - Legislation guidance**
 3. **FPA's and the business model of functional FPA's**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Alien vegetation**
 3. **Crops**
 4. **Harvested stubble lands**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Coastal Grassland,
Arid Woodland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. **Cooking fires**
 2. **Runaway "controlled" fires (ecological / fuel reduction)**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Biodiversity

Q20

What negative ecological effects result from wildland fire?

Too frequent fires changes ecosystems

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **PROSECUTION / LIABILITY OF PERPETRATORS**
 2. **Ignition causes**
-

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#85

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 11:09:41 AM
Last Modified: Wednesday, July 26, 2023 11:49:34 AM
Time Spent: 00:39:53
IP Address: 41.193.220.146

Page 2: A. Overview

Q1

Your full name (optional):

Justin Miller

Q2

Your email address (optional):

justinm@ncc-group.co.za

Q3

Your gender (optional):

Male

Q4

Respondent skipped this question

Your race (optional):

Q5

Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

08

Your profession – check all that apply

- a. Firefighter (general),
 - c. Wildland Firefighter,
 - d. Volunteer Firefighter,
 - f. Nature Conservator,
 - m. Consultant

Q9

15 – 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life**
 2. **Loss of livelihoods & Investments**
 3. **Negative impacts on the environment**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Promoting biodiversity integrity
 2. Risk/fuel reduction
 3. Air Quality management

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Experience of private industry**
 2. **Readiness of private industry**
 3. **Response by private industry**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Reduce reliance on EPWP programmes**
 2. **Professionalizing of Wildland firefighters (24/7/365)**
 3. **Source Private Sector funding, with less reliance on Government**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Training**
 2. **ICS implementation**
 3. **Sharing of resources**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fine fuels (fynbos grasses and invasive alien vegetation)**
 2. **Medium Fuels (fynbos and invasive alien vegetation)**
 3. **Heavy fuels (invasive alien vegetation)**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Sparse Arid Woodland,
Grassy Nama Karoo,
Nama Karoo,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. Accidental/unintentional
 2. Malicious intent
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Nutrient recycling (Ecosystem processes)

Q20

What negative ecological effects result from wildland fire?

Species composition and species loss can occur

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Fire behavior modelling
 2. Fire Risk Identification
 3. benefits of drones for fire response and mop-up
 4. Actual value of EPWP programmes vs privatization
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#86

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 13, 2023 12:07:59 PM
Last Modified: Wednesday, July 26, 2023 11:50:56 AM
Time Spent: Over a week
IP Address: 102.165.84.151

Page 2: A. Overview

Q1

Your full name (optional):

Rodney February

Q2

Your email address (optional):

rfebruary@wwf.org.za

Q3

Your gender (optional):

Male

Q4 **Respondent skipped this question**

Your race (optional):

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Other (please specify):

Your profession – check all that apply

Ecologist

Q9

Respondent skipped this question

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **To frequent wild fires in the fynbos biome is harmful**
2. **Wild fires are a threat to infrastructure, housing and lives humans and animals**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Helps to maintain biodiversity**
2. **reduction of fuel loads**
3. **improves grazing**

Q12

Respondent skipped this question

What are three aspects of wildland fire management that are most successful in South Africa?

Q13

Respondent skipped this question

What are three aspects of wildland fire management that could use improvement in South Africa?

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Natural veld**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,

Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Badly managed or unmanaged fires for dealing with combustable waste**
2. **Controlled burns with unpredicted changes in weather**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

In cases invasive alien plants are cleared however these area need to have follow up treatment scheduled to deal with the regrowth. The problem is that often because the Wildfire is not a scheduled fire there is often no funding to undertake the follow up clearing needed. This is something that needs to be addressed.

Q20

What negative ecological effects result from wildland fire?

Too frequent fires could result in loss or decline in species diversity.

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1.

How to manage a wild fire to allow it to burn invasive plants in the fire path. Often wild fires are fought even if they are burning or are going to burn invasive plants.

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#87

COMPLETE

| | |
|-----------------------|--------------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Wednesday, July 26, 2023 10:32:44 AM |
| Last Modified: | Wednesday, July 26, 2023 12:14:24 PM |
| Time Spent: | 01:41:39 |
| IP Address: | 102.66.176.85 |

Page 2: A. Overview

Q1

Your full name (optional):

Hein Niemand

Q2

Your email address (optional):

hein@ecufpa.co.za

Q3

Your gender (optional):

Male

Q4

Respondent skipped this question

Your race (optional):

05

Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

06

Eastern Cape

In which province do you primarily live in?

07

Amathole District Municipality

What district/metropolitan municipality do you live in?

08

Your profession – check all that apply

c. Wildland Firefighter

Other (please specify):

Umbrella Fire Protection Association

Q9

9 – 12 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Loss of life
 2. Loss of income & Livelihoods
 3. Environmental changes

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Fuel & Risk Reduction**
 2. **Environmental \ Veld Management**
 3. **Safety aspects to limit & stop unwanted wildland fires**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fuel & Risk Reduction**
 2. **Safety aspects to limit / stop unwanted wildland fires**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Using Controlled burns for further fuel load & risk reduction**
 2. **Using controlled burns in the correct way for veld / environmental management**
 3. **Improvement of risk on the urban wildland interface**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Fire Readiness**
 2. **Possible Detection Systems**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grasslands**
 2. **Commercial Forestry Plantations**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

- Sour Grassland,**
Sweet Grassland,
Fynbos,
Renosterveld,
Forest
-

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Cooking Fires**
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Certain ecosystems require wildland fires for regeneration (e.g. Fynbos)

Q20

What negative ecological effects result from wildland fire?

Certain ecosystems are burnt too often resulting in the takeover of invader species

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#88

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 12:02:23 PM
Last Modified: Wednesday, July 26, 2023 1:09:05 PM
Time Spent: 01:06:42
IP Address: 102.65.70.83

Page 2: A. Overview

Q1

Your full name (optional):

Arnold Swart

Q2

Your email address (optional):

wildfire.incidents@gmail.com

Q3

Your gender (optional):

MALE

Q4

Your race (optional):

WHITE

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

c. Wildland Firefighter,

e. Forester,

f. Nature Conservator,

m. Consultant,

Other (please specify):

Fire Investigator/ CFEI; Wildland

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Destruction of property**
2. **Enhancement of Erosion**
3. **contamination of ground water and silting of dams**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **rejuvenation of indigenous vegetation**
2. **Creation of safe zone**
3. **Reduction of fuel load and risks**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **prevention of major disasters through management of multiple resources.**
2. **Establishment and management of fire protection associations.**
3. **managing a mosaic system in fuel management to prevent disastrous fires**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. establishment and implementation of better ICS on the ground
 2. Enforcement of relevant legislation
 3. Getting more land owners to adhere to fire management practices
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Ecological integrity
 2. managing and protecting the indigenous biomes
 3. control over ignitions and indigenous burning practices of
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. alien vegetation
 2. fynbos
 3. grass
 4. commercial plantations
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,

Thicket,

Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. malicious ignition
 2. negligence with cooking and warming fires
-

Q18

Fuel Management

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

ecological processes and management of the fire regime

Q20

What negative ecological effects result from wildland fire?

alien vegetation rejuvenation, erosion through increase runoff

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **WUI related fires**
 2. **impact of uncontrolled land grabs and establishment of informal settlements**
 3. **Historic indigenous use of fire by first nation communities and the ecological impact of these practices**
-

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#89

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 9:48:36 AM
Last Modified: Wednesday, July 26, 2023 1:30:17 PM
Time Spent: 03:41:40
IP Address: 102.130.236.89

Page 2: A. Overview

Q1

Your full name (optional):

Owen Leatherby

Q2

Your email address (optional):

o

Q3

Your gender (optional):

m

Q4

Your race (optional):

w

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

Other (please specify):

Insurance Broker

Q9

15 – 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Unwanted death of wildlife and their habitat**
2. **Burning of vegetation outside of their burn cycle**
3. **Loss of Property crops and loss and injury to responders**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Assist in developing a healthy ecosystem**
2. **Reduces unwanted build up of fire loads**
3. **Aids in the management of ecologically sensitive areas**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Reducing the severity and spread of wildfires**
2. **Managing fynbos rejuvenation**
3. **Reducing risk to life and property**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **The Frequency using cape Metropole and surrounds as a benchmark**
2. **Correct planning**
3. **Education of the neighbouring inhabitants**

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Forward Planning**
 2. **Eradication of exotic and other invasive vegetation**
 3. **The complimenting of fire damage mitigation and ecological benefits**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Grasses**
 3. **Aliens including Pine and Gum**
 4. **Various Crops**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,

Fynbos,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. **Criminal Intent**
 2. **Careless lighting of recreational Fires**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

ecosystem management

Q20

What negative ecological effects result from wildland fire?

disruption of animal habitat and vegetation damage

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Human and Wildland co-existence
 2. Effect of policing and penalties on neglected properties
 3. the effect of the rapid extension of the urban fringe
 4. scientific eradication of aliens
-

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#90

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 2:26:23 PM
Last Modified: Wednesday, July 26, 2023 2:59:18 PM
Time Spent: 00:32:55
IP Address: 168.253.199.74

Page 2: A. Overview

Q1

Your full name (optional):

Liezl de Villiers

Q2

Your email address (optional):

ldevilliers@overstrand.gov.za

Q3

Your gender (optional):

Female

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Overberg District Municipality

What district/metropolitan municipality do you live in?

Q8

f. Nature Conservator

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of Biodiversity**
 2. **Increase on Climate Change impacts**
 3. **Increase of financial input**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Management of veld age for biodiversity protection**
 2. **Decrease of severity and amount of uncontrolled fires**
 3. **Planned urban-conservation-agriculture interface management.**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Legislation**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Capacity to implement legislation**
 2. **Political support to implement co-operative approach**
 3. **Co-operative management**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Legislation**
 2. **Research**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. Old and overgrown fynbos veldt
 2. Fynbos areas overgrown with invasive plant species
 3. Mainly unmanaged catchment areas
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Thicket,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. Unmanaged open fires (camp fires)
 2. Thrown away Cigarettes
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Seed dispersal and germination

Q20

What negative ecological effects result from wildland fire?

Loss of species through too many consecutive fires

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Strongly agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#91

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 2:48:56 PM
Last Modified: Wednesday, July 26, 2023 3:12:41 PM
Time Spent: 00:23:45
IP Address: 129.205.147.162

Page 2: A. Overview

Q1

Your full name (optional):

Louise de Roubaix

Q2

Your email address (optional):

louise@centurycity.co.za

Q3

Your gender (optional):

Female

Q4

Your race (optional):

Caucasian

Q5

Yes

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Other (please specify):

Your profession – check all that apply

Environmental Manager

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of biodiversity**
 2. **Financial losses**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Increase in biodiversity**
 2. **Reduction in fuel loads**
 3. **Decrease in fire risk**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **First strike units effective while fire is still small**
 2. **Collaboration between sister organizations**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **More government resources allocated**
 2. **More awareness to public of their role**
 3. **More fuel reduction burns and education about its benefit**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Training**
 2. **Specific environment of CFR**
 3. **Collaboration between organizations**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Reeds**
 3. **Exotics**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sweet Grassland,
Arid Woodland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Negligence! Unattended camp fires (campers and vagrants)**
 2. **Contractors working in high risk areas**
-

Q18

Fuel Management

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Improved biodiversity, improved ecosystem services, regeneration of young growth, fuel reduction, alien clearing method for thick stands of exotics

Q20

What negative ecological effects result from wildland fire?

Too frequent fires, may lead to biodiversity loss. Too intense fire may damage soil and hinder vegetation restoration

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1.

N/A

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat disagree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#92

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 2:50:43 PM
Last Modified: Wednesday, July 26, 2023 3:21:22 PM
Time Spent: 00:30:39
IP Address: 41.193.234.63

Page 2: A. Overview

Q1

Your full name (optional):

Dr Anthony Roberts

Q2

Your email address (optional):

anthonyr@natureconnect.earth

Q3

Your gender (optional):

Male

Q4

Your race (optional):

European descent

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

Other (please specify):

Chief Executive Officer

Q9

9 – 12 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **bad timing - poor vegetation recovery**
2. **negatively affected wetland areas - overgrazing, soil erosion**
3. **Damage to infrastructure**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **removal of senescent biomass - reduction of fuel load**
2. **reduction in tree density (in grasslands)**
3. **improved forage for game and livestock**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **well-understood and planned fire regimes**
2. **job-creation**
3. **well-coordinated efforts for prescribed burns**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Increased training of response teams**
2. **Better equipment**
3. **Further development of fire response organisations - in particular funding**

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Capacity development
 2. Establishment of JOCs
 3. Inter-government department collaborations
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Alien invasive plants
 2. dry, accumulated biomass of natural vegetation
 3. Reed beds (Typha)
 4. natural vegetation (fynbos)
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. burning for improved livestock grazing
 2. clearing for settlements
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

species diversity, ecosystem processes, reduced fuel load, breaking of seed dormancy,

Q20

What negative ecological effects result from wildland fire?

soil erosion, reduced biodiversity, animal death,

Q21**Somewhat agree**

There is sufficient wildland fire related research in South Africa

Q22**Respondent skipped this question**

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23**Somewhat agree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Strongly agree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Somewhat agree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Neither agree nor disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Somewhat agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#93

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, July 26, 2023 4:32:57 PM
Last Modified: Wednesday, July 26, 2023 5:28:32 PM
Time Spent: 00:55:34
IP Address: 102.66.177.26

Page 2: A. Overview

Q1

Your full name (optional):

Gideon van Lill

Q2

Your email address (optional):

Kubusi Plantation, Stutterheim, 4930, South Africa

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Eastern Cape

In which province do you primarily live in?

Q7

Amathole District Municipality

What district/metropolitan municipality do you live in?

Q8

e. Forester,

Your profession – check all that apply

Other (please specify):

General Manager

Q9

More than 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Destruction of commercial tree farms / plantations**
 2. **Loss of life**
 3. **Biodiversity degradation**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Fuel load / Risk reduction**
 2. **Healthy ecosystems**
 3. **Fighting bush encroachment**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Becoming more organized in our response to fires (ICS)**
 2. **Efficient use of resources on fires**
 3. **Fuel load reduction**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Communication systems**
 2. **Government support (e.g. aerial resources) and enforcement**
 3. **International benchmarking**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Fire Protection Association (FPA) formation & legislative support**
 2. **Water on wheels equipped for Africa (by ANCO Manufacturing)**
 3. **Hands-on management and experienced fire managers**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grass**
 2. **Savanna**
 3. **Alien invasives**
 4. **Commercial Forestry Plantations**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Thicket

Q17

What are the top two causes of human-originated wildfires?

1. **Burning for grazing**
 2. **Honey hunting**
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

functioning ecosystems that developed with fire

Q20

What negative ecological effects result from wildland fire?

loss of diversity due to over utilization

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Preventing disaster fires
 2. Urban interface
 3. Fuel load reduction alternatives for burning
 4. First line Supervision / Crew Leader development
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly disagree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#94

COMPLETE

| | |
|-----------------------|------------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Thursday, July 27, 2023 7:27:34 AM |
| Last Modified: | Thursday, July 27, 2023 8:07:10 AM |
| Time Spent: | 00:39:35 |
| IP Address: | 196.35.11.146 |

Page 2: A. Overview

Q1

Your full name (optional):

Etienne Van Bergen

Q2

Your email address (optional):

Ettienne.vanbergen@capetown.gov.za

Q3

Your gender (optional):

Male

Q4 Respondent skipped this question

Your race (optional):

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
 - b. Structural Firefighter,
 - c. Wildland Firefighter,
 - j. Lecturer
-

Q9

15 – 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Air Pollution**
 2. **Financial Impact on the economy**
 3. **Climate change**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Wildfires enrich the soil**
 2. **Help plant species to reproduce and grow**
 3. **shape ecosystems**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Maintaining biodiversity**
 2. **Fuel reduction**
 3. **Reduce wildfires**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Training And Education**
-

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
 2. **Grass**
 3. **Allien vegetation**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,
Renosterveld,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. Negligence
 2. Uncontrolled fires
-

Q18

Fuel Management

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Help plant species to reproduce and grow

Q20

What negative ecological effects result from wildland fire?

Soil erosion

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Threat to natural resources
 2. Understanding how fires spread and burn in vegetative fuels
 3. Wildland-urban interface fires and effects on communities
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#95

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 27, 2023 8:50:41 AM
Last Modified: Thursday, July 27, 2023 9:13:54 AM
Time Spent: 00:23:12
IP Address: 193.160.247.217

Page 2: A. Overview

Q1

Your full name (optional):

Andrew

Q2 Respondent skipped this question

Your email address (optional):

Q3

Your gender (optional):

Male

Q4 Respondent skipped this question

Your race (optional):

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

r. Retired

Your profession – check all that apply

Q9

0 – 3 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Risk to housing**
 2. **Removal of endemic species of wild life and plants**
 3. **Increased erosion**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Causing regrown of old areas**
 2. **Causing indigenous plants to actively regrow**
 3. **Removing alien vegetation**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Education**
 2. **Fire breaks**
 3. **Removal of alien vegetation**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **More government support financially**
 2. **More helicopters**
 3. **More firefighters**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Management and Governance
 2. Better equipment
 3. Training of firefighters
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Alien vegetation
 2. Wind swept effects
 3. Illegal burning of rubbish
 4. Uneducated children lighting fires for fun
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Thicket,

Fynbos,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. Braais in uncontrolled area
 2. Burning of rubbish
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):

Negligent kids lighting fire for fun

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Regrowth of natural indigenous plants

Q20

What negative ecological effects result from wildland fire?

Damage to private property and erosion

Q21

Strongly disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Education of populous**
 2. **Harsher fines for wrongful setting of fires**
 3. **More speedy court action for convicted fire starters**
 4. **People responsible for causing fires be made to pay and insurance companies to be more understanding to pay out**
-

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#96

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 27, 2023 8:51:38 AM
Last Modified: Thursday, July 27, 2023 9:23:19 AM
Time Spent: 00:31:40
IP Address: 165.90.60.182

Page 2: A. Overview

Q1

Your full name (optional):

Francois Louw

Q2

Your email address (optional):

farm@7koppies.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

d. Volunteer Firefighter,

n. Farmer

Q9

6 – 9 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Property damage**
 2. **Destruction of wildlife and vegetation**
 3. **Water pollution and erosion**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Prevent destructive wildfire**
 2. **Destroy invasive plants**
 3. **Reduce insect populations**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fire prevention**
 2. **Firefighting**
 3. **Crisis management**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Politics**
 2. **Communication**
 3. **Goverment support**
-

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Respondent skipped this question

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Respondent skipped this question

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#97

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 27, 2023 12:52:37 PM
Last Modified: Thursday, July 27, 2023 1:41:02 PM
Time Spent: 00:48:24
IP Address: 41.0.200.130

Page 2: A. Overview

Q1

Your full name (optional):

Patrick Shone

Q2

Your email address (optional):

pshone@capenature.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. Firefighter (general),
- c. Wildland Firefighter,
- f. Nature Conservator,
- i. Scientist,
- o. Emergency Services,
- p. Disaster Management,
- q. Law Enforcement

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life and livelihoods**
2. **Loss of biodiversity**
3. **Loss of infrastructure**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Regeneration of biodiversity in fire driven systems**
2. **Invasive alien plant control**
3. **Job creation**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Knowledge of fire and education**
2. **Training (ICS)**
3. **Job creation**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Training in ICS to improve co operation
 2. Standardisation of management activities
 3. Single association to deal with standards.
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Resources
 2. Knowledge & understanding of fire driven systems
 3. Unique methods of combatting wildfires.
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Fynbos (Catchment Areas)
 2. Invasive alien stands
 3. Plantations/Orchards
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Sweet Grassland,
Arid Woodland,
Fynbos,
Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. Warming fires
 2. Burning refuse
-

Q18

Unrest

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Species diversity and Ecological processes if it happens at the right time of the year and at the right veld age.

Q20

What negative ecological effects result from wildland fire?

Loss of species, Habitat destructions.

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. Fire return intervals and the effects on species distribution
 2. Effects of fire on Invasive alien plants
 3. Species adaptation to fire.
 4. Litigation in wildfire

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

026

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#98

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 27, 2023 4:06:38 PM
Last Modified: Thursday, July 27, 2023 4:30:08 PM
Time Spent: 00:23:29
IP Address: 41.116.129.35

Page 2: A. Overview

Q1

Your full name (optional):

Douglas Hardy

Q2

Your email address (optional):

dougtrac@mweb.co.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

white African

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. **Firefighter (general),**
 - c. **Wildland Firefighter,**
 - d. **Volunteer Firefighter**
-

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Life**
 2. **property destruction**
 3. **pollution**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **regeneration of fynbos**
 2. **destruction/clearing of alien vegetation**
 3. **fire prevention through fuel reduction**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Prescribed burning**
 2. **Working On Fire Programme**
 3. **early deployment of aerial assets**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **National standards for wildfire PPE Tactics etc**
 2. **Better aerial resources**
 3. **Better control of alien invasive species**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Standards for wildland fire fighting
 2. Resource sharing assistance through ICS
 3. training
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Fynbos
 2. Timber plantations
 3. natural forest
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Thicket,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. Cooking fires
 2. accidental
-

Q18

Fuel Management

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

species diversity regeneration of fynbos

Q20

What negative ecological effects result from wildland fire?

change in vegetation type fires occur too frequently

Q21**Somewhat disagree**

There is sufficient wildland fire related research in South Africa

Q22**Respondent skipped this question**

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23**Neither agree nor disagree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Neither agree nor disagree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Neither agree nor disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Neither agree nor disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Neither agree nor disagree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#99

COMPLETE

| | |
|-----------------------|------------------------------------|
| Collector: | Web Link 1 (Web Link) |
| Started: | Thursday, July 27, 2023 5:03:13 PM |
| Last Modified: | Thursday, July 27, 2023 5:40:49 PM |
| Time Spent: | 00:37:35 |
| IP Address: | 105.245.230.186 |

Page 2: A. Overview

Q1 Respondent skipped this question

Your full name (optional):

Q2 Respondent skipped this question

Your email address (optional):

Q3 Respondent skipped this question

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 **Yes**

Do you consider yourself a first nation/indigenous person
(optional):

Q6 **Western Cape**

In which province do you primarily live in?

Q7 **Cape Winelands District Municipality**

What district/metropolitan municipality do you live in?

Q8 Other (please specify):

Your profession – check all that apply Engineer

Q9 **3 – 6 years**

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Vegetation destruction**
 2. **Property damage a**
 3. **Loss of human life**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Fire breaks**
 2. **Grazing betterment**
 3. **Vegetation thinning/control**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Fire breaks**
 2. **Common fire management**
 3. **Community working together**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Fire breaks**
 2. **Access to properties during fires**
 3. **Training**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Fire breaks**
 2. **Controlled vegetation burns**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Fynbos**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

- Sour Grassland,**
Sweet Grassland,
Fynbos
-

Q17

What are the top two causes of human-originated wildfires?

1. **Braai fire**
 2. **Millicious fire starting**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Ecology vegetation control

Q20

What negative ecological effects result from wildland fire?

Soil erosion

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Fire breaks**
 2. **Fighting methods**
-

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Neither agree nor disagree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#100

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 28, 2023 10:11:28 AM
Last Modified: Friday, July 28, 2023 11:13:10 AM
Time Spent: 01:01:42
IP Address: 196.15.149.82

Page 2: A. Overview

Q1

Your full name (optional):

Gabriel Stephanus Badenhorst

Q2

Your email address (optional):

gbadenhorst@overstrand.gov.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

white

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Overberg District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

- a. **Firefighter (general),**
- b. **Structural Firefighter,**
- c. **Wildland Firefighter,**
- o. **Emergency Services,**
- p. **Disaster Management**

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **lost of property**
2. **lost of lifely hood**
3. **lost of income**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Veld management**
2. **environment consistence**
3. **enological stability**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **fuel reduction**
2. **veld management**
3. **education on wildfires in AHJ**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Awareness campaigns under informal settlements
 2. promoting of prescribe burns in AHJ
 3. Defendable space Compians
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. prescribed burns
 2. defendable space in rural areas
 3. Awareness campaigns about wildfires
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. fynbos
 2. dry material
 3. reeds
 4. rooikrans
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Coastal Grassland,
Fynbos,
Renosterveld,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. cooking open spaces
 2. unattended fires
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Invasive Alien Management

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

regrowth of new veld

Q20

What negative ecological effects result from wildland fire?

erosion

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. wildfire investigator in every AHJ
 2. Beter informant in local municipalities
 3. support of the justice department stiffer fines
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Neither agree nor disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#101

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 28, 2023 11:11:58 AM
Last Modified: Friday, July 28, 2023 11:33:37 AM
Time Spent: 00:21:39
IP Address: 102.36.126.133

Page 2: A. Overview

Q1

Your full name (optional):

Emile Grobbelaar

Q2

Your email address (optional):

emile@kishugu.com

Q3

Your gender (optional):

Male

Q4

Your race (optional):

Caucasian

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Mpumalanga

In which province do you primarily live in?

Q7

Ehlanzeni District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

n. Farmer,

o. Emergency Services,

Other (please specify):

Wildland Fire Resource Service Provider

Q9

12 – 15 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life**
2. **Damage to economically productive assets**
3. **Ecological damage**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Improvement of biodiversity**
2. **Saving water**
3. **Improvement of quality of grazing**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Co-operation between landowners in some instances**
2. **Legislative environment**
3. **Awareness of value of fire increasing**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Co-operation between all agencies/parties involved**
2. **Elevated prominence for wildland fires compared to structural fires**
3. **National co-ordination**

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Legislative environment
 2. FPA structure and strategies
 3. Resources
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Grass, natural forests
 2. Plantations
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,
Thicket,
Fynbos

Q17

What are the top two causes of human-originated wildfires?

1. Prescribed burns jumping
 2. Burning for grazing
-

Q18

Fuel Management

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Bio Diversity

Q20

What negative ecological effects result from wildland fire?

Damage to long biological cycles

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1.

Management of alien invasives with fire

Q23

Somewhat disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Strongly agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Strongly agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Strongly agree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#102

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 28, 2023 12:36:12 PM
Last Modified: Friday, July 28, 2023 1:26:14 PM
Time Spent: 00:50:02
IP Address: 102.165.120.1

Page 2: A. Overview

Q1

Your full name (optional):

Mark Johns

Q2

Your email address (optional):

mjohns@capenature.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6 Western Cape

In which province do you primarily live in?

Q7 Overberg District Municipality

What district/metropolitan municipality do you live in?

Q8 c. Wildland Firefighter,
f. Nature Conservator

Your profession – check all that apply

Q9 More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Negative impacts on biodiversity - too frequent fires
 2. Alien plant infestation - exacerbation
 3. Litigation - cost to conservation
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Biodiversity - in fire driven ecosystems (fynbos)**
 2. **Fuel load reduction - risk management**
 3. **Awareness, skills development and training**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Application of ICS**
 2. **Technological advances**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Resources, budget constraints**
 2. **Fire protection**
 3. **Inter-municipal co-operation**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Ecological - benefits and impacts**
 2. **Resource support**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Flammable Fynbos shrubland**
 2. **Dense alien plant thickets**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,

Renosterveld

Q17

What are the top two causes of human-originated wildfires?

1. **Induced climate change and worsening fire weather conditions**
 2. **Arson**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):
Unrest and arson

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Diversity - fynbos is a fire driven ecosystem - but needs management

Q20

What negative ecological effects result from wildland fire?

Loss of species diversity, alien plant invasion, catchment degradation

Q21

Strongly agree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Climate change impacts**
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#103

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, July 28, 2023 1:31:25 PM
Last Modified: Friday, July 28, 2023 3:21:35 PM
Time Spent: 01:50:09
IP Address: 197.89.175.109

Page 2: A. Overview

Q1

Your full name (optional):

Greg Forsyth

Q2

Your email address (optional):

gforsyth@iafrica.com

Q3

Your gender (optional):

male

Q4 Respondent skipped this question

Your race (optional):

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

City of Cape Town Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

r. Retired

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Threats to lives, and damage to livelihoods and properties
 2. Promoting the spread of invasive alien shrubs and trees
 3. Altering natural fire regimes
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Maintaining natural (desirable) fire regimes
 2. Managing grazing lands
 3. Managing vegetation to prevent extreme fuel loads
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. Early detection
 2. Fire danger forecasting
 3. Fire response and suppression
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. Fire risk management
 2. Application of prescribed burning
 3. Awareness of the ecological need for fire
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. Early detection using a variety of tools (e.g. Satellite and cameras)
 2. Training of firefighters
 3. How to compile and act on the results of fire risk assessments
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. Fynbos
 2. Timber plantations
 3. Infestations of invasive alien shrubs and trees
 4. Farmland bordering natural vegetation
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

- Sour Grassland,
Sweet Grassland,
Moist Grassland,
Arid Woodland,
Fynbos
-

Q17

What are the top two causes of human-originated wildfires?

1. Negligence when using fires in inappropriate places (high fuel loads) ather
 2. Negligence when using fire when fire danger weather is high
-

Q18

For fires that are set intentionally, what do you think is the "ignitors" intended purpose?

Other (please specify):
All of the above. In the case of protected areas, it would be to maintain the "natural" fire regime

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Maintaining the "natural" fire regime for that particular ecosystem

Q20

What negative ecological effects result from wildland fire?

Depending on the frequency and season wildfires could change the "natural" fire regime resulting in a loss of biodiversity and altering the structure and functioning of the ecosystems

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Improving fire risk assessments**
 2. **Improving fire danger forecasting**
 3. **Techniques for distilling learning from damaging wildfires and incorporating such learning into policy and best practice**
 4. **We have a fairly good understanding of the ecological impacts of fire in South Africa but lack a good understanding of the human and economic impacts**
-

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#104

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Sunday, July 30, 2023 2:21:11 PM
Last Modified: Sunday, July 30, 2023 3:23:19 PM
Time Spent: 01:02:08
IP Address: 105.246.135.26

Page 2: A. Overview

Q1

Your full name (optional):

Paul Cochrane

Q2

Your email address (optional):

Paul@klapmutsfarmwatch.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

Yes

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

Your profession – check all that apply

d. Volunteer Firefighter,

k. Landowner,

Other (please specify):

Self employed, smallholder, Farm Watch active member

Q9 Respondent skipped this question

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Destruction of fauna, flora, feedsources, erosion, etc**
2. **Potential destruction of surrounding farms, crops, livestock, equipment, income, employment, etc.**
3. **Potential effects on localized tourism, related employment, the loss of ecosystem/s, natural wonders and precious locations.**

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Alien vegetation being eradicated.**
2. **Regeneration of original natural flora**
3. **Potential future safety of surrounding vegetation, forests, etc, and communities.**

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Protection of endangered flora and fauna**
2. **Preservation of existing natural wonders.**
3. **The education of civilians when witnessing the effects of successful management practices.**

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Education of rural landowners and communities.**
 2. **Training, fire readiness of rural communities**
 3. **Equipping and supporting individuals or groups who are always willing to assist, as, and when required.**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Difficult to answer, but there is no lack of enthusiasm when it comes to tackling the task, but I guess that most fire fighters share this attribute:)**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Alien vegetation**
 2. **Rubbish/waste**
 3. **Grasslands**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,

Renosterveld,

Forest

Q17

What are the top two causes of human-originated wildfires?

1. **Accidental ignition.**
 2. **Careless management of rubbish, etc fires which often spread.**
-

Q18

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Other (please specify):

Combination of many of the above. Arson perhaps due to a farm worker being laid off, controlled burn of alien vegetation gone wrong, rituals/customs, poor "on farm" burning of rubbish, stacks, etc

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Return of original and natural pioneer flora species, attracts the original fauna back

Q20

What negative ecological effects result from wildland fire?

Erosion, dust, death of natural flora and fauna, etc.

Q21

Somewhat agree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#105

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, July 20, 2023 4:34:03 PM
Last Modified: Sunday, July 30, 2023 10:06:03 PM
Time Spent: Over a week
IP Address: 105.225.255.155

Page 2: A. Overview

Q1

Your full name (optional):

Heine Jacobus Muller

Q2

Your email address (optional):

hemuller@pgbison.co.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Eden District Municipality

What district/metropolitan municipality do you live in?

Q8

e. Forester

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Damage to plantation
 2. Damage to Biodiversity
 3. Financial loss and impact

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Fuel load management
 2. Biodiversity management

Q12

Respondent skipped this question

What are three aspects of wildland fire management that are most successful in South Africa?

Q13

Respondent skipped this question

What are three aspects of wildland fire management that could use improvement in South Africa?

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Respondent skipped this question

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Q17

Respondent skipped this question

What are the top two causes of human-originated wildfires?

Q18

Respondent skipped this question

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Respondent skipped this question

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Respondent skipped this question

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Respondent skipped this question

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Respondent skipped this question

Rural and Indigenous communities are included in fire prevention programs.

Q26

Respondent skipped this question

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Respondent skipped this question

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#106

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 31, 2023 9:01:59 AM
Last Modified: Monday, July 31, 2023 9:22:10 AM
Time Spent: 00:20:10
IP Address: 197.245.43.236

Page 2: A. Overview

Q1

Your full name (optional):

Rory Malcolm

Q2

Your email address (optional):

rormal@bridgehouse.org.za

Q3

Your gender (optional):

Male

Q4

Your race (optional):

White

Q5

No

Do you consider yourself a first nation/indigenous person (optional):

Q6

Western Cape

In which province do you primarily live in?

Q7

Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8

r. Retired

Your profession – check all that apply

Q9

More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Loss of life**
 2. **Loss of property**
 3. **Loss of habitat**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Indigenous plant propagation**
 2. **Reduced fuel loads**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Community communication groups**
 2. **Shared resources**
 3. **Labour employment opportunities**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Resource allocation**
 2. **Co-ordination of resources**
 3. **Co-ordination off donations**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Working on fire program**
 2. **Community communication groups**
 3. **Public private co-operation initiatives**
-

Page 3: B.Wildfire Summary

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Alien vegetation**
 2. **Indigenous mountain vegetation**
 3. **Waste materials**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Fynbos,
Renosterveld,
Forest

Q17

What are the top two causes of human-originated wildfires?

1. **Arson**
 2. **Poor burn management**
-

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19 What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Plant propagation and old plant clearing

Q20

What negative ecological effects result from wildland fire?

Too frequent burning strips indigenous seed banks

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Somewhat agree

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat agree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Neither agree nor disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Somewhat agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#107

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 31, 2023 7:52:04 PM
Last Modified: Monday, July 31, 2023 8:12:56 PM
Time Spent: 00:20:52
IP Address: 102.69.172.54

Page 2: A. Overview

Q1

Your full name (optional):

Johann "Savage" Breytenbach

Q2

Your email address (optional):

genman@fsufpa.co.za

Q3

Your gender (optional):

male

Q4

Your race (optional):

European

Q5

No

Do you consider yourself a first nation/indigenous person
(optional):

Q6

Free State

In which province do you primarily live in?

Q7

Mangaung Metropolitan Municipality

What district/metropolitan municipality do you live in?

Q8

c. Wildland Firefighter

Your profession – check all that apply

Q9

15 – 18 years

How long have you been involved in the wildfire
industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. **Human and Animal Deaths**
 2. **Loss of eco system services**
 3. **Economic impact**
-

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. **Habitat regeneration**
 2. **Fuel reduction / control**
 3. **Eco system preservation**
-

Q12

What are three aspects of wildland fire management that are most successful in South Africa?

1. **Community based fire management**
 2. **Legislation**
 3. **Community involvement**
-

Q13

What are three aspects of wildland fire management that could use improvement in South Africa?

1. **Community based Wildfire Management**
 2. **Enforcement**
 3. **Awareness**
-

Q14

What are three aspects of wildland fire management that South Africa could share with other African countries?

1. **Community based wildfire management**
 2. **Legislation**
 3. **Functional FPA structures (most FPAs are dysfunctional)**
-

Q15

What types of fuel burn most often in wildland fires in your area?

1. **Grass (Fine fuels)**
 2. **Shrubs (Medium Fuels)**
 3. **Invasive trees in the WUI**
-

Q16

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Sour Grassland,

Sweet Grassland,

Arid Woodland

Q17

What are the top two causes of human-originated wildfires?

1. **Mechanical - vehicle and equipment use**
 2. **Careless with domestic fire use**
-

Q18

Grazing

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Ecos system processes

Q20

What negative ecological effects result from wildland fire?

Loss of eco system services

Q21

Somewhat disagree

There is sufficient wildland fire related research in South Africa

Q22

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

1. **Dissemination of information**
 2. **Operational implementation**
-

Q23**Somewhat disagree**

There are official processes for investigating the origin and cause of wildland fires in your province.

Page 4: C. Risk Reduction

Q24**Somewhat disagree**

There are national or regional wildland fire prevention and fire management programs or plans.

Q25**Strongly disagree**

Rural and Indigenous communities are included in fire prevention programs.

Q26**Strongly disagree**

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27**Strongly agree**

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.

#108

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, July 31, 2023 8:41:12 PM
Last Modified: Monday, July 31, 2023 8:53:08 PM
Time Spent: 00:11:56
IP Address: 165.255.78.56

Page 2: A. Overview

Q1**Respondent skipped this question**

Your full name (optional):

Q2**Respondent skipped this question**

Your email address (optional):

Q3**Respondent skipped this question**

Your gender (optional):

Q4 Respondent skipped this question

Your race (optional):

Q5 Respondent skipped this question

Do you consider yourself a first nation/indigenous person (optional):

Q6 Western Cape

In which province do you primarily live in?

Q7 Cape Winelands District Municipality

What district/metropolitan municipality do you live in?

Q8 c. Wildland Firefighter,
e. Forester,
m. Consultant

Your profession – check all that apply

Q9 More than 18 years

How long have you been involved in the wildfire industry?

Q10

What are the three most unwanted effects of wildland fires in South Africa?

1. Fynbos
2. Animals

Q11

What are the three most desirable effects of wildland fire or prescribed fire in South Africa?

1. Firebreaks

Q12 Respondent skipped this question

What are three aspects of wildland fire management that are most successful in South Africa?

Q13 Respondent skipped this question

What are three aspects of wildland fire management that could use improvement in South Africa?

Q14

Respondent skipped this question

What are three aspects of wildland fire management that South Africa could share with other African countries?

Page 3: B.Wildfire Summary

Q15

Respondent skipped this question

What types of fuel burn most often in wildland fires in your area?

Q16

Fynbos,

Please identify 3 – 4 biomes that, in your opinion, burn most frequently?

Renosterveld

Q17

What are the top two causes of human-originated wildfires?

- 1.
- 2.

Open fire

Sigaret

Q18

Arson

For fires that are set intentionally, what do you think is the “ignitors” intended purpose?

Q19

Respondent skipped this question

What positive ecological benefits result from wildland fire (e.g. species diversity, ecosystem processes, etc)?

Q20

Respondent skipped this question

What negative ecological effects result from wildland fire?

Q21

Neither agree nor disagree

There is sufficient wildland fire related research in South Africa

Q22

Respondent skipped this question

If you think there is insufficient wildland fire related research in South Africa, which topics would you suggest for further study?

Q23

Neither agree nor disagree

There are official processes for investigating the origin and cause of wildland fires in your province.

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Q24

Somewhat agree

There are national or regional wildland fire prevention and fire management programs or plans.

Q25

Somewhat disagree

Rural and Indigenous communities are included in fire prevention programs.

Q26

Somewhat disagree

Traditional uses of fire and perspectives of indigenous communities were considered and incorporated when designing fire prevention programs.

Q27

Strongly agree

Your community uses fuel barriers (fuel/fire breaks), either made by machines or by hand, to protect against wildland fires.
