













**Table.** Characteristic of fire burn severity and soil burn severity levels




Code of the strata	Level of fire intensity	Description	An example photo of the site and a link to the VR360 panoramic images
10	Low	<p>Pine plantations that grow under site conditions <math>A_2 - A_3</math>. They are characterized by low level of damage. Average value of the CBI – 0.7, GeoCBI – 0.7.</p> <p>E.g.: test site ID-84.</p> <p>Characteristics: the area was impacted by low intensity ground fire; significant number of trees with green needle is present; bark char height – up to 2 m, CBI – 1.4, GeoCBI – 1.2; soil burn severity class – low.</p>	 <a href="https://kuula.co/post/n1/collection/7Y2bq">https://kuula.co/post/n1/collection/7Y2bq</a>
	Moderate	<p>Pine plantations that grow under site conditions <math>A_2 - A_3</math>.</p> <p>E.g.: test site ID-72.</p> <p>Characteristics: the area was impacted by high intensity ground fire; single trees with green needles are present, rest of the trees have brown colored needles; average bark char height – 6m, CBI – 2.4, GeoCBI – 2.4; soil burn severity class – average.</p>	 <a href="https://kuula.co/post/7rPm7">https://kuula.co/post/7rPm7</a>
	High	<p>Pine plantations that grow under site conditions <math>A_2 - A_3</math>.</p> <p>E.g.: test site ID-2.</p> <p>Characteristics: middle-aged plantation; the area was impacted by high intensity ground fire; no trees with green needles are present, needles are brown or absent; 70% of needles fell off; average bark char height – 6 m, CBI – 2.9, GeoCBI – 2.5; soil burn severity class – average.</p>	 <a href="https://kuula.co/post/7rPXh">https://kuula.co/post/7rPXh</a>



Code of the strata	Level of fire intensity	Description	An example photo of the site and a link to the VR360 panoramic images
20	Low	<p>Pine plantations that grow under site conditions B<sub>2</sub> – B<sub>3</sub>.</p> <p>E.g.: test site ID-70.</p> <p>Characteristics: pre-mature plantation; the area was impacted by low intensity ground fire; significant number of trees with green needles is present, rest of the trees have brown colored needles; average bark char height – 4 m, CBI – 1.5, GeoCBI – 1.6; soil burn severity class – low.</p>	 <p><a href="https://kuula.co/edit/7rltG">https://kuula.co/edit/7rltG</a></p>
	Moderate	<p>Pine plantations that grow under site conditions B<sub>2</sub> – B<sub>3</sub>.</p> <p>E.g.: test site ID-40.</p> <p>Characteristics: pre-mature plantation; the area was impacted by high intensity ground fire; insignificant number of trees with green needles is present, rest of the trees have brown colored needles or none; average bark char height – 5.5 m, CBI – 2.4, GeoCBI – 2.2; soil burn severity class – average.</p>	 <p><a href="https://kuula.co/post/7rltG">https://kuula.co/post/7rltG</a></p>
	High	<p>Pine plantations that grow under site conditions B<sub>2</sub> – B<sub>3</sub>.</p> <p>E.g.: test site ID-69.</p> <p>Characteristics: middle-aged plantation; the area was impacted by high intensity ground fire; no trees with green needles are present, needles are brown or absent; 70 % of needles fell off; average bark char height – 7m, CBI – 2.8, GeoCBI – 2.6; soil burn severity class – average.</p>	 <p><a href="https://kuula.co/post/7rP7y">https://kuula.co/post/7rP7y</a></p>

Code of the strata	Level of fire intensity	Description	An example photo of the site and a link to the VR360 panoramic images
30	Low	<p>Plantations that grow in very arid and arid conditions</p> <p>E.g.: test site ID-88.</p> <p>Characteristics: age group – young plantation, plants up to 40 years; the area was impacted by low intensity ground fire; significant number of trees with green needles and insignificant number of the trees with brown needles are present; average bark char height – 0.5 m, CBI – 1.2, GeoCBI – 1.4; soil burn severity class – low.</p>	 <p><a href="https://kuula.co/post/7rPfX">https://kuula.co/post/7rPfX</a></p>
	Moderate	<p>Plantations that grow in very arid and arid conditions</p> <p>E.g.: test site ID-116.</p> <p>Characteristics: age group – young plantation (age up to 40 years), scattered overgrown trees present, mixed forest with predomination of deciduous species; the area was impacted by average intensity ground fire; significant number of trees survived; average bark char height – 1 m, CBI – 2.2, GeoCBI – 2.4; soil burn severity class – low.</p>	
	High	<p>Plantations that grow in very arid and arid conditions</p> <p>E.g.: test site ID-8.</p> <p>Characteristics: age group – young plantation, (age up to 40 years); the area was impacted by crown fire; trees have no needles; CBI – 3.0, GeoCBI – 2.8; soil burn severity class – average.</p>	



Code of the strata	Level of fire intensity	Description	An example photo of the site and a link to the VR360 panoramic images
40	Low	<p>Deciduous plantations that grow in all site conditions except of very arid and arid, pine plantations in fertile conditions (C<sub>2</sub>-C<sub>3</sub>, D<sub>2</sub>-D<sub>3</sub>)</p> <p>E.g.: test site ID-18</p> <p>Characteristics: age group – young plantation, (age up to 40 years) deciduous plantation with scattered overgrown pine trees; the area was impacted by low intensity ground fire; CBI – 1.2, GeoCBI – 1.1; soil burn severity class – low.</p>	
	Moderate	<p>Deciduous plantations that grow in all site conditions except of very arid and arid, pine plantations in fertile conditions (C<sub>2</sub>-C<sub>3</sub>, D<sub>2</sub>-D<sub>3</sub>)</p> <p>E.g.: test site ID-78</p> <p>Characteristics: age group – uneven-aged deciduous forest stands with scattered overgrown trees; the area was impacted by average intensity ground fire; young trees with thin bark died – rest survived; average bark char height – 1m, CBI – 1.2, GeoCBI – 1.1; soil burn severity class – low.</p>	
	High	<p>Deciduous plantations that grow in all site conditions except of very arid and arid, pine plantations in fertile conditions (C<sub>2</sub>-C<sub>3</sub>, D<sub>2</sub>-D<sub>3</sub>)</p> <p>E.g.: test site ID-57.</p> <p>Characteristics: middle-aged plantation (birch, aspen, alder); the area was impacted by high intensity ground fire; CBI – 3.0, GeoCBI – 2.6; soil burn severity class – average.</p>	

Code of the strata	Level of fire intensity	Description	An example photo of the site and a link to the VR360 panoramic images
50	Low	<p>Non-forested areas in very arid and arid conditions (sands)</p> <p>E.g.: test site ID-108.</p> <p>Characteristics: non-forested area was impacted by low intensity ground fire; young oak trees that survived are present; CBI – 1.1, GeoCBI – 1.5; soil burn severity class – low.</p>	
	Moderate	<p>Non-forested areas in very arid and arid conditions (sands)</p> <p>E.g.: test site ID-83.</p> <p>Characteristics: non-forested area (unstocked forest crops) was impacted by average intensity ground fire; young oak and birch trees that survived are present; CBI – 1.6, GeoCBI – 1.5; soil burn severity class – average.</p>	
	High	<p>Non-forested areas in very arid and arid conditions (sands)</p> <p>E.g.: test site ID-20.</p> <p>Characteristics: non-forested area with single pine trees and birch patches were impacted by ground fire; CBI – 3.0, GeoCBI – 2.6; soil burn severity class – low.</p>	

Code of the strata	Level of fire intensity	Description	An example photo of the site and a link to the VR360 panoramic images
60	Low	<p>Other areas (non-forested areas)</p> <p>E.g.: test site ID-120.</p> <p>Characteristics: non-forested abandoned farmlands were impacted by low intensity ground fire; young fruit and shrub species that survived are present; CBI – 1.0, GeoCBI – 1.0; soil burn severity class – low.</p>	
	Moderate	<p>Other areas (non-forested areas)</p> <p>E.g.: test site ID-92.</p> <p>Characteristics: non-forested abandoned farmlands were impacted by low intensity ground fire; young shrub species and pine trees are present, some share of trees died (approximately 40%), rest – survived; CBI – 2.4, GeoCBI – 2.4; soil burn severity class – average.</p>	
	High	<p>Other areas (non-forested areas)</p> <p>E.g.: test site ID-105.</p> <p>Characteristics: non-forested abandoned farmlands were impacted by average intensity ground fire; young pine and silver birch trees are present, most of the trees died; CBI – 2.8, GeoCBI – 2.8; soil burn severity class – average.</p>	