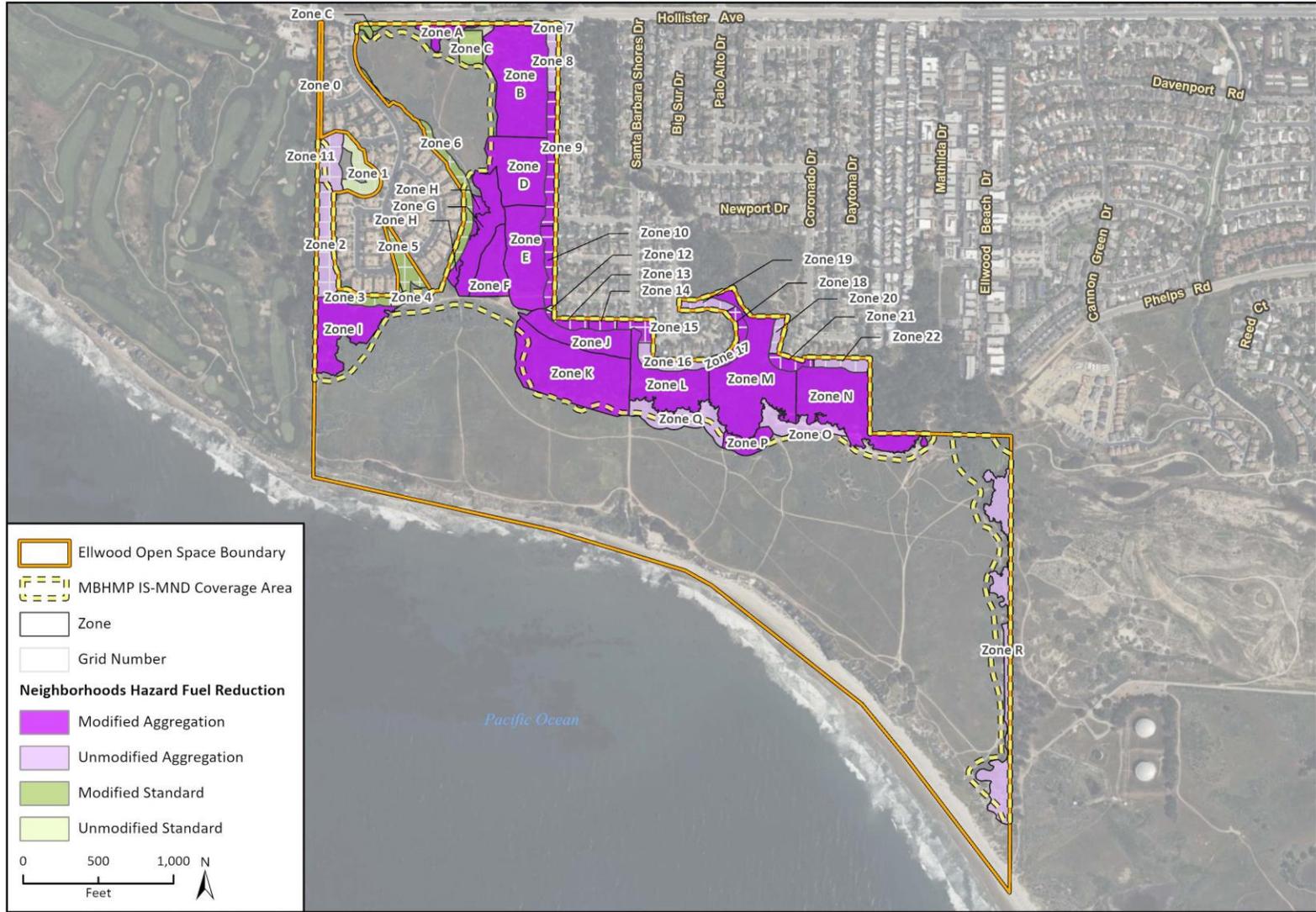


**Figure 1a Fuel Reduction/CWPP Treatment Zones - Overview**

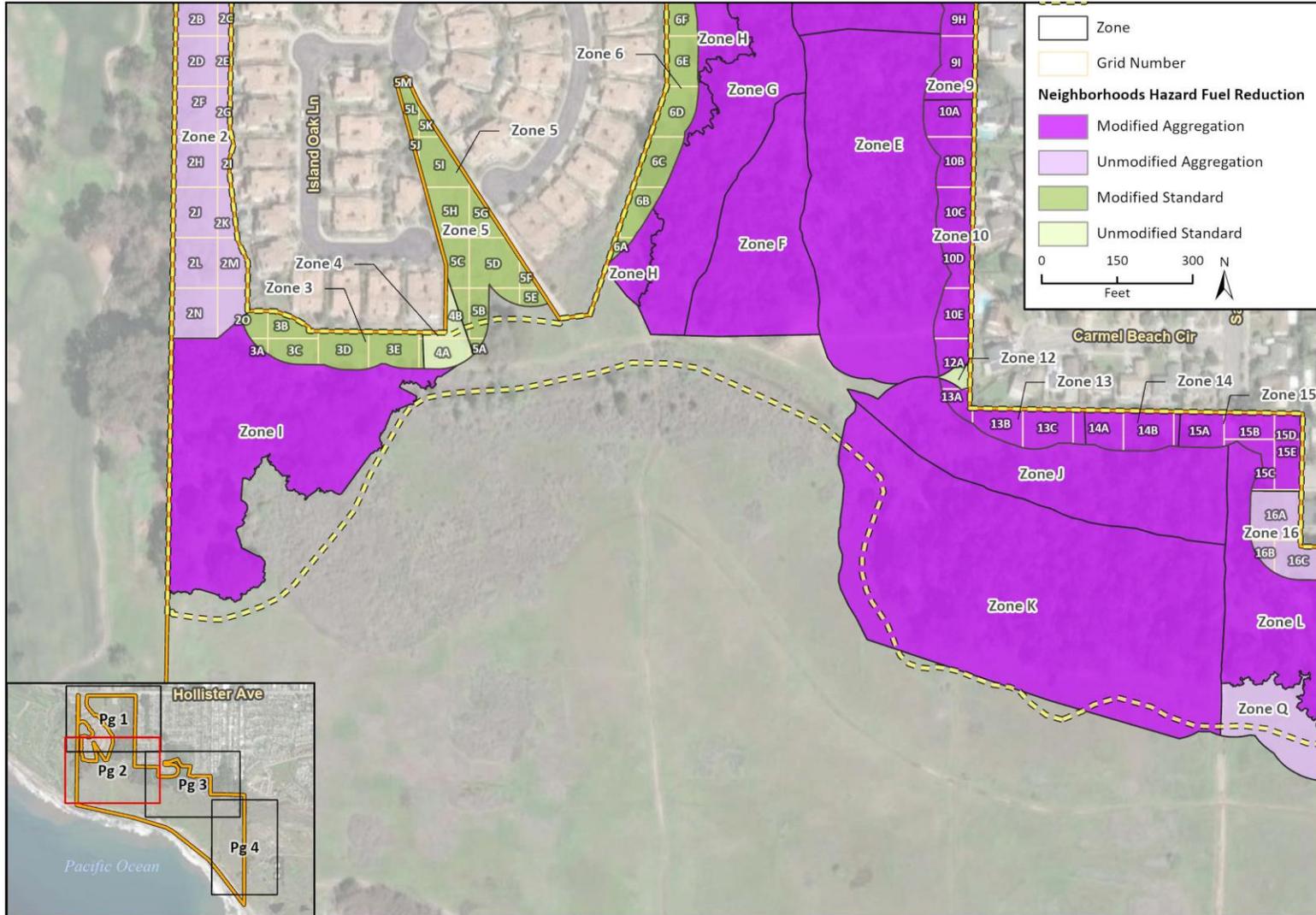


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22-12869 Hazardous Fuels Graphics  
 Fig X Waiver\_Overview



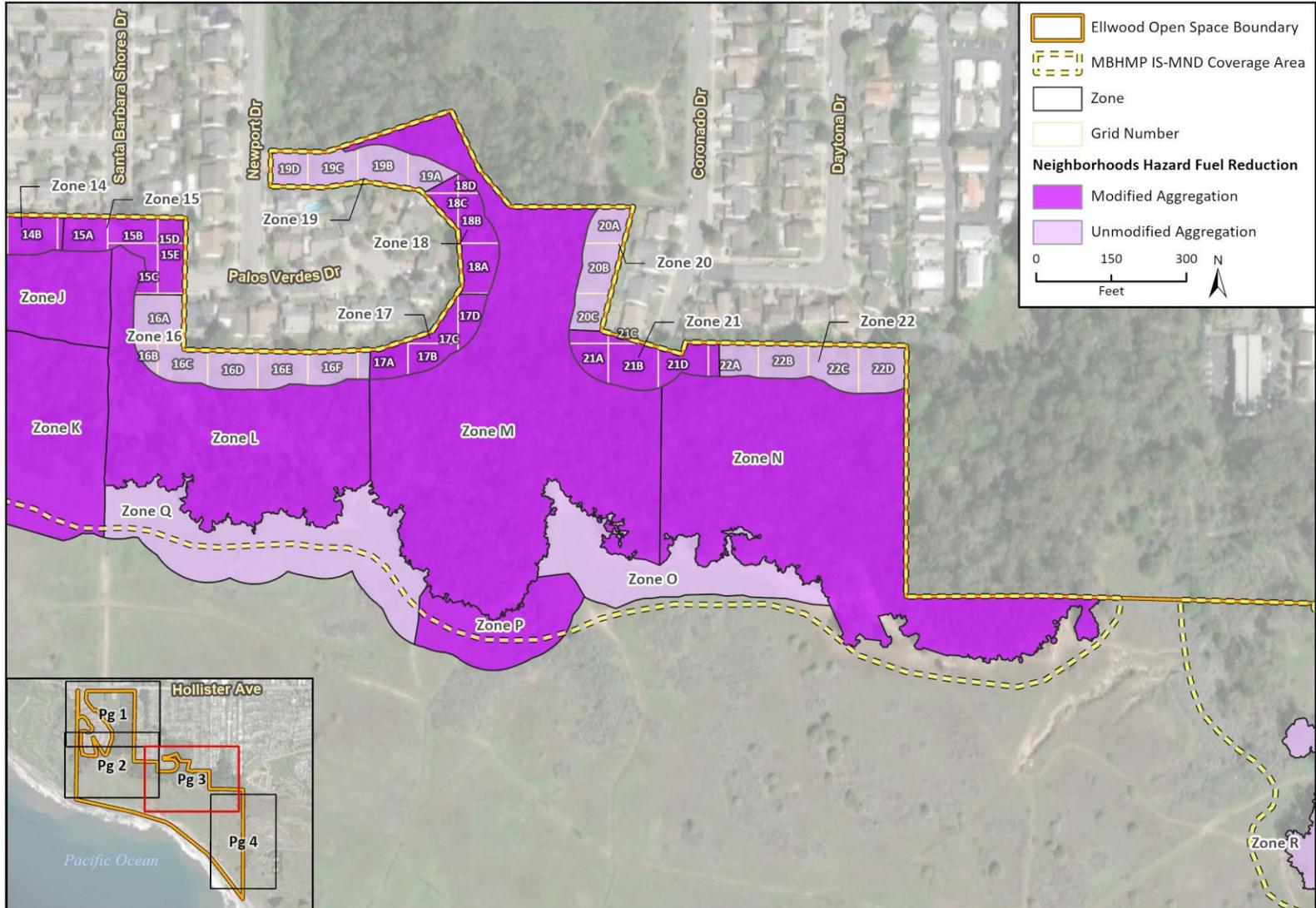
**Figure 1c Fuel Reduction/CWPP Treatment Zones**



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22-12869 Hazardous fuels Graphics  
 Fig X Waiver

Figure 1d Fuel Reduction/CWPP Treatment Zones



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22-12869 Hazardous Fuels Graphics  
 Fig X Waiver

**Figure 1e Fuel Reduction/CWPP Treatment Zones**



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 Fig X Waiver\_Pg4

Figure 2 Public Access



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23-12868 Hazardous Fuels Graphics  
 Fig X Public Access

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CWPP Fuel Reduction/Treatment Zones Matrix

**Fuel Reduction/Treatment Types**

Treatment Type	Summary <sup>1</sup>
Unmodified Standard	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees
Modified Standard	Within 100 feet of structures: Modify the standard treatment to be less removal, based on site specific conditions
Unmodified Aggregation	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
Modified Aggregation	Within 100 feet of monarch aggregation sites: Modify the aggregation treatment to be less removal, based on site specific conditions

**CWPP Treatment Zones**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
0A	Zone 0	Modified Aggregation	541	Modification is to trim or remove eucalyptus within 10 feet of existing path to create access. Trim canopies by hand. Retain eucalyptus stump for wildlife.
0B	Zone 0	Modified Aggregation	2,007	Modification is to trim or remove eucalyptus within 10 feet of existing path to create access. Trim canopies by hand. Remove vegetation overhanging structures.
0C	Zone 0	Modified Aggregation	2,016	Modification is to trim or remove eucalyptus within 10 feet of existing path to create access. Trim canopies by hand. Remove vegetation overhanging structures.

City of Goleta  
**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
0D	Zone 0	Modified Aggregation	2,026	Modification is to trim or remove eucalyptus within 10 feet of existing path to create access. Trim canopies by hand.
0E	Zone 0	Modified Aggregation	2,035	Modification is to trim or remove eucalyptus within 10 feet of existing path to create access. Trim canopies by hand.
0F	Zone 0	Modified Aggregation	2,045	Modification is to trim or remove eucalyptus within 10 feet of existing path to create access. Trim canopies by hand.
0G	Zone 0	Modified Aggregation	2,034	Modification is to trim or remove eucalyptus within 10 feet of existing path to create access. Trim canopies by hand.
0H	Zone 0	Modified Aggregation	2,063	Modification is to trim or remove eucalyptus within 10 feet of existing path to create access. Trim canopies by hand.
1A	Zone 1	Unmodified Standard	5,646	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees
1B	Zone 1	Unmodified Standard	6,708	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees
1C	Zone 1	Unmodified Standard	3,022	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
1D	Zone 1	Unmodified Standard	7,933	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees
1E	Zone 1	Unmodified Standard	818	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees
1F	Zone 1	Unmodified Standard	3,029	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees
1G	Zone 1	Unmodified Standard	8,398	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees

**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
1H	Zone 1	Unmodified Standard	8,398	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees
1I	Zone 1	Unmodified Standard	2,687	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees
1J	Zone 1	Unmodified Standard	1,238	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees
1K	Zone 1	Unmodified Standard	3,680	Within 100 feet of structures: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 2 feet Trim and thin unhealthy trees Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
2A	Zone 11/ Zone 2	Unmodified Aggregation	8,144	<p><b>Zone 11 and 2:</b></p> <p>Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
2B	Zone 2	Unmodified Aggregation	8,275	<p>Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
2C	Zone 2	Unmodified Aggregation	2,937	<p>Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
2D	Zone 2	Unmodified Aggregation	8,406	<p>Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
2E	Zone 2	Unmodified Aggregation	2,618	<p>Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>

City of Goleta  
**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
2F	Zone 2	Unmodified Aggregation	8,538	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
2G	Zone 2	Unmodified Aggregation	2,524	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
2H	Zone 2	Unmodified Aggregation	8,669	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
2I	Zone 2	Unmodified Aggregation	2,628	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
2J	Zone 2	Unmodified Aggregation	8,800	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
2K	Zone 2	Unmodified Aggregation	3,321	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
2L	Zone 2	Unmodified Aggregation	8,932	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
2M	Zone 2	Unmodified Aggregation	5,646	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
2N	Zone 2	Unmodified Aggregation	9,072	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings

**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
20	Zone 2/ Zone 3	Unmodified Aggregation/ Modified Standard	6,969	<p><b>Zone 2</b></p> <p>Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p> <p><b>Zone 3</b></p> <p>Modification is to only remove some coyote brush and create coyote brush polygons.</p>
3A	Zone 3	Modified Standard	619	Modification is to only remove some coyote brush and create coyote brush polygons
3B	Zone 3	Modified Standard	3,764	Modification is to only remove some coyote brush and create coyote brush polygons
3C	Zone 3	Modified Standard	4,741	Modification is to only remove some coyote brush and create coyote brush polygons
3D	Zone 3	Modified Standard	7,311	Modification is to only remove some coyote brush and create coyote brush polygons
3E	Zone 3	Modified Standard	6,917	Modification is to only remove some coyote brush and create coyote brush polygons
4A	Zone 4	Unmodified Standard	5,618	<p>Within 100 feet of structures:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 2 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees</p>

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
4B	Zone 4/ Zone 5	Unmodified Standard/ Modified Standard	5,314	<p><b>Zone 4:</b>                      Within 100 feet of structures:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 2 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees</p> <p><b>Zone 5:</b>                      Modification is no thinning of riparian trees.</p>
5A	Zone 5	Modified Standard	697	Modification is no thinning of riparian trees.
5B	Zone 5	Modified Standard	4,930	Modification is no thinning of riparian trees
5C	Zone 5	Modified Standard	5,003	Modification is no thinning of riparian trees
5D	Zone 5	Modified Standard	9,467	Modification is no thinning of riparian trees
5E	Zone 5	Modified Standard	1,767	Modification is no thinning of riparian trees
5F	Zone 5	Modified Standard	1,192	Modification is no thinning of riparian trees
5G	Zone 5	Modified Standard	4,208	Modification is no thinning of riparian trees
5H	Zone 5	Modified Standard	7,450	Modification is no thinning of riparian trees
5I	Zone 5	Modified Standard	7,302	Modification is no thinning of riparian trees
5J	Zone 5	Modified Standard	441	Modification is no thinning of riparian trees
5K	Zone 5	Modified Standard	1,450	Modification is no thinning of riparian trees
5L	Zone 5	Modified Standard	2,669	Modification is no thinning of riparian trees
5M	Zone 5	Modified Standard	410	Modification is no thinning of riparian trees
6A	Zone 6	Modified Standard	1,183	Modification is no thinning in riparian vegetation
6B	Zone 6	Modified Standard	4,976	Modification is no thinning in riparian vegetation
6C	Zone 6	Modified Standard	6,793	Modification is no thinning in riparian vegetation
6D	Zone 6	Modified Standard	7,024	Modification is no thinning in riparian vegetation
6E	Zone 6	Modified Standard	6,257	Modification is no thinning in riparian vegetation

**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
6F	Zone 6	Modified Standard	5,797	Modification is no thinning in riparian vegetation
6G	Zone 6	Modified Standard	2,817	Modification is no thinning in riparian vegetation
6H	Zone 6	Modified Standard	4,238	Modification is no thinning in riparian vegetation
6I	Zone 6	Modified Standard	6,843	Modification is no thinning in riparian vegetation
6J	Zone 6	Modified Standard	986	Modification is no thinning in riparian vegetation
6K	Zone 6	Modified Standard	933	Modification is no thinning in riparian vegetation
6L	Zone 6	Modified Standard	6,483	Modification is no thinning in riparian vegetation
6M	Zone 6	Modified Standard	430	Modification is no thinning in riparian vegetation
6N	Zone 6	Modified Standard	2,185	Modification is no thinning in riparian vegetation
6O	Zone 6	Modified Standard	5,156	Modification is no thinning in riparian vegetation
6P	Zone 6	Modified Standard	4,314	Modification is no thinning in riparian vegetation
6Q	Zone 6	Modified Standard	669	Modification is no thinning in riparian vegetation
6R	Zone 6	Modified Standard	1,845	Modification is no thinning in riparian vegetation
6S	Zone 6	Modified Standard	123	Modification is no thinning in riparian vegetation
6T	Zone 6	Modified Standard	2,753	Modification is no thinning in riparian vegetation
6U	Zone 6	Modified Standard	729	Modification is no thinning in riparian vegetation
6V	Zone 6	Modified Standard	543	Modification is no thinning in riparian vegetation
6W	Zone 6	Modified Standard	57	Modification is no thinning in riparian vegetation
7A	Zone 7	Modified Aggregation	1,451	Modification is to remove all nonnative vegetation.
8A	Zone 7/ Zone 8	Modified Aggregation/ Unmodified Aggregation	7,908	<p><b>Zone 7:</b> Modification is to remove all nonnative vegetation.</p> <p><b>Zone 8:</b> Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
8B	Zone 8	Unmodified Aggregation	7,226	<p>Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
8C	Zone 8	Unmodified Aggregation	7,081	<p>Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
8D	Zone 8	Unmodified Aggregation	7,088	<p>Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
9A	Zone 8/ Zone 9	Unmodified Aggregation/ Modified Aggregation	6,717	<p><b>Zone 8:</b>                      Within 100 feet of monarch aggregation sites:                      Mow grasses                      Clear flammable materials from the ground                      Reduce brush/scrub height to 3 feet                      Trim and thin unhealthy trees                      Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p> <p><b>Zone 9:</b> Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure.</p>
9B	Zone 9	Modified Aggregation	7,175	Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure.
9C	Zone 9	Modified Aggregation	7,025	Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure.
9D	Zone 9	Modified Aggregation	6,875	Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure.

**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
9E	Zone 9	Modified Aggregation	6,968	Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure. Adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives
9F	Zone 9	Modified Aggregation	6,637	Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure. Adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives
9G	Zone 9	Modified Aggregation	7,709	Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure. Adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives
9H	Zone 9	Modified Aggregation	7,038	Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure. Adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives
9I	Zone 9	Modified Aggregation	7,593	Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure. Adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives.
10A	Zone 9/ Zone 10	Modified Aggregation	9,972	<b>Zone 9:</b> Modification is to reduce treatment of trees near aggregation areas, to prevent wind exposure.  <b>Zone 10:</b> Modification is to adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives.
10B	Zone 10	Modified Aggregation	7,604	Modification is to adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives.
10C	Zone 10	Modified Aggregation	7,106	Modification is to adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives.
10D	Zone 10	Modified Aggregation	5,354	Modification is to adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives.
10E	Zone 10	Modified Aggregation	6,737	Modification is to adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives.

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
11A	Zone 11	Unmodified Aggregation	6,291	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
11B	Zone 11	Unmodified Aggregation	7,881	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
11C	Zone 11	Unmodified Aggregation	8,012	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
11D	Zone 11	Unmodified Aggregation	9,966	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
11E	Zone 11	Unmodified Aggregation	8,108	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings

**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
11F	Zone 11	Unmodified Aggregation	7,712	<p>Within 100 feet of monarch aggregation sites:</p> <p>Mow grasses</p> <p>Clear flammable materials from the ground</p> <p>Reduce brush/scrub height to 3 feet</p> <p>Trim and thin unhealthy trees</p> <p>Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
11G	Zone 11	Unmodified Aggregation	9,718	<p>Within 100 feet of monarch aggregation sites:</p> <p>Mow grasses</p> <p>Clear flammable materials from the ground</p> <p>Reduce brush/scrub height to 3 feet</p> <p>Trim and thin unhealthy trees</p> <p>Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
12A	Zone 10/Zone 12	Modified Aggregation/ Unmodified Standard	6,546	<p><b>Zone 10:</b></p> <p>Modification is to adjust treatment for vegetation east of trail, existing vegetation is largely landscaped with non-natives.</p> <p><b>Zone 12:</b></p> <p>Within 100 feet of structures:</p> <p>Mow grasses</p> <p>Clear flammable materials from the ground</p> <p>Reduce brush/scrub height to 2 feet</p> <p>Trim and thin unhealthy trees</p> <p>Reduce fuel ladders by pruning lower branches 6 ft up, or lower 1/3 of tree height on smaller trees</p>
13A	Zone 13	Modified Aggregation	2,596	Modification is to keep native grasses, no mowing.
13B	Zone 13	Modified Aggregation	5,853	Modification is to keep native grasses, no mowing.
13C	Zone 13	Modified Aggregation	7,307	Modification is to keep native grasses, no mowing.
14A	Zone 14	Modified Aggregation	7,291	Modification is to remove fire prone landscaped non-native vegetation.
14B	Zone 14	Modified Aggregation	7,659	Modification is to remove fire prone landscaped non-native vegetation
15A	Zone 14/ Zone 15	Modified Aggregation	6,977	Modification is to remove fire prone landscaped non-native vegetation.

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
15B	Zone 15	Modified Aggregation	5,289	Modification is to remove fire prone landscaped non-native vegetation.
15C	Zone 15	Modified Aggregation	4,220	Modification is to remove fire prone landscaped non-native vegetation.
15D	Zone 15	Modified Aggregation	2,883	Modification is to remove fire prone landscaped non-native vegetation.
15E	Zone 15	Modified Aggregation	5,457	Modification is to remove fire prone landscaped non-native vegetation.
16A	Zone 16	Unmodified Aggregation	10,066	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
16B	Zone 16	Unmodified Aggregation	1,937	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
16C	Zone 16	Unmodified Aggregation	7,057	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
16D	Zone 16	Unmodified Aggregation	7,648	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings

**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
16E	Zone 16	Unmodified Aggregation	7,031	<p>Within 100 feet of monarch aggregation sites:</p> <p>Mow grasses</p> <p>Clear flammable materials from the ground</p> <p>Reduce brush/scrub height to 3 feet</p> <p>Trim and thin unhealthy trees</p> <p>Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
16F	Zone 16	Unmodified Aggregation	6,342	<p>Within 100 feet of monarch aggregation sites:</p> <p>Mow grasses</p> <p>Clear flammable materials from the ground</p> <p>Reduce brush/scrub height to 3 feet</p> <p>Trim and thin unhealthy trees</p> <p>Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
17A	Zone 16/ Zone 17	Unmodified Aggregation/Modified Aggregation	6,287	<p><b>Zone 16:</b></p> <p>Within 100 feet of monarch aggregation sites:</p> <p>Mow grasses</p> <p>Clear flammable materials from the ground</p> <p>Reduce brush/scrub height to 3 feet</p> <p>Trim and thin unhealthy trees</p> <p>Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p> <p><b>Zone 17:</b> Modification to be determined based on wind model data and with monarch butterfly specialist at the time of treatment. Some trees to be retained for wind protection of aggregation site.</p>
17B	Zone 17	Modified Aggregation	4,411	<p>Modification to be determined based on wind model data and with monarch butterfly specialist at the time of treatment. Some trees to be retained for wind protection of aggregation site.</p>
17C	Zone 17	Modified Aggregation	4,006	<p>Modification to be determined based on wind model data and with monarch butterfly specialist at the time of treatment. Some trees to be retained for wind protection of aggregation site. <b>Prune myoporum (non-native).</b></p>
17D	Zone 17	Modified Aggregation	4,664	<p>Modification to be determined based on wind model data and with monarch butterfly specialist at the time of treatment. Some trees to be retained for wind protection of aggregation site.</p>

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
18A	Zone 18	Modified Aggregation	7,097	Modification is to limit pruning of native trees and leave saplings in place. Standard treatment for nonnative vegetation. Protect mature cypress trees for wind.
18B	Zone 18	Modified Aggregation	6,074	Protect mature cypress trees for wind.
18C	Zone 18	Modified Aggregation	2,624	Protect mature cypress trees for wind.
18D	Zone 18	Modified Aggregation	1,023	Protect mature cypress trees for wind.
19A	Zone 18/ Zone 19	Modified Aggregation/ Unmodified Aggregation	6,143	<p><b>Zone 18:</b> Protect mature cypress trees for wind.</p> <p><b>Zone 19:</b> Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
19B	Zone 19	Unmodified Aggregation	7,521	<p>Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
19C	Zone 19	Unmodified Aggregation	7,017	<p>Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>

**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
19D	Zone 19	Unmodified Aggregation	5,294	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
20A	Zone 20	Unmodified Aggregation	5,547	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
20B	Zone 20	Unmodified Aggregation	7,352	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
20C	Zone 20/ Zone 21	Unmodified Aggregation/ Modified Standard	6,934	Zone 20: Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings <b>Zone 21:</b> Modification to be determined in collaboration with the Audubon Society due to high value habitat for migrating birds.
21A	Zone 21	Modified Aggregation	4,322	Modification to be determined in collaboration with the Audubon Society due to high value habitat for migrating birds.
21B	Zone 21	Modified Aggregation	8,845	Modification to be determined in collaboration with the Audubon Society due to high value habitat for migrating birds.

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
21C	Zone 21	Modified Aggregation	782	Modification to be determined in collaboration with the Audubon Society due to high value habitat for migrating birds.
21D	Zone 21	Modified Aggregation	6,156	Modification to be determined in collaboration with the Audubon Society due to high value habitat for migrating birds.
22A	Zone 21/ Zone 22	Modified Aggregation/ Unmodified Aggregation	6,573	<p><b>Zone 21:</b> Modification to be determined in collaboration with the Audubon Society due to high value habitat for migrating birds</p> <p><b>Zone 22:</b> Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
22B	Zone 22	Unmodified Aggregation	6,874	<p>Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
22C	Zone 22	Unmodified Aggregation	8,350	<p>Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>

**Ellwood Mesa Neighborhoods Hazardous Fuel Reduction Project**

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
22D	Zone 22	Unmodified Aggregation	8,972	<p>Within 100 feet of monarch aggregation sites:</p> <p>Mow grasses</p> <p>Clear flammable materials from the ground</p> <p>Reduce brush/scrub height to 3 feet</p> <p>Trim and thin unhealthy trees</p> <p>Reduce fuel ladders and intermittent patches of shrubs and small trees in openings</p>
	Zone A	Modified Aggregation	30,289	Modification is to leave riparian intact, no thinning of trees.
	Zone B	Modified Aggregation	275,204	Modification is to leave wind break of trees on eastern and western boundaries.
	Zone C	Modified Standard	45,449	Modification is to not mow native grasses until after seed drop.
	Zone D	Modified Aggregation	160,173	Modification is to include creation of designed aggregation sites while protecting existing aggregation sites.
	Zone E	Modified Aggregation	171,329	<p>Modification is to leave wind break of trees on western edge to protect Zone F in a strategic pattern to create monarch patrolling canopy habitat.</p> <p>Include mowing on south side with consideration and avoidance of native grasses (bunching and not bunching)</p>
	Zone F	Modified Aggregation	78,271	<p>Modification is to include creation of designed butterfly aggregation sites.</p> <p>Remove ironbark eucalyptus that have been tagged for thinning.</p>
	Zone G	Modified Aggregation	109,285	Modification is to leave riparian vegetation intact, no thinning of native trees, and leave wind break of trees protecting Zone F.
	Zone H	Modified Aggregation	23,160	Modification is to leave wind break of trees.
	Zone I	Modified Aggregation	148,376	<p>Modification is to leave wind break of trees on southern, northern, and western boundaries, and leave riparian vegetation intact.</p> <p>Monarch specialist will mark saplings to retain prior to sapling thinning</p>
	Zone J	Modified Aggregation	99,848	Modification to include mowing with consideration and avoidance of native grasses (bunching and not bunching); leave wind break of trees on northern boundary.
	Zone K	Modified Aggregation	296,609	Modification to include cleanup of dead/browning vegetation.. Treatment of fuels (mostly grasses) on grove margin. Mow prior to non-native seed drop and following native seed drop as feasible.
	Zone L	Modified Aggregation	143,499	Modification is to include felling a high fraction of standing dead eucalyptus trees, limbing down trees, and generally leaving large trunks in place.

Grid Number	Zone	Treatment <sup>1</sup>	Square Feet	Public Notes <sup>2</sup>
	Zone M	Modified Aggregation	292,458	Modification is to leave riparian vegetation intact, no thinning of native trees, and incorporate protection of avian habitat at Coronado Seep in coordination with Audubon Society. In areas of critical monarch cluster locations and buffers, no sapling thinning and only remove dead trees.
	Zone N	Modified Aggregation	234,762	Modification is to leave riparian vegetation intact, no tree thinning, and incorporate protection of avian habitat at Coronado Seep in coordination with Audubon Society.
	Zone O	Unmodified Aggregation	55,680	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
	Zone P	Modified Aggregation	38,224	Modification is no thinning of riparian trees and no disturbance to coastal sage scrub vegetation.
	Zone Q	Unmodified Aggregation	88,534	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings
	Zone R	Unmodified Aggregation	174,241	Within 100 feet of monarch aggregation sites: Mow grasses Clear flammable materials from the ground Reduce brush/scrub height to 3 feet Trim and thin unhealthy trees Reduce fuel ladders and intermittent patches of shrubs and small trees in openings.

<sup>1</sup> Both Modified and Unmodified Aggregation treatments retain the trees that provide wind protection to the aggregation sites, vegetation removal is focused on dead and downed trees and vegetation zero to six feet in height.

<sup>2</sup> Definitions:

- Unhealthy trees – Generally non-native trees with 75% or more crown necrosis.
- Saplings/small trees – Non-native trees only (primarily eucalyptus) which are approximately 6” diameter at breast height (DBH) or less of at least 1 trunk