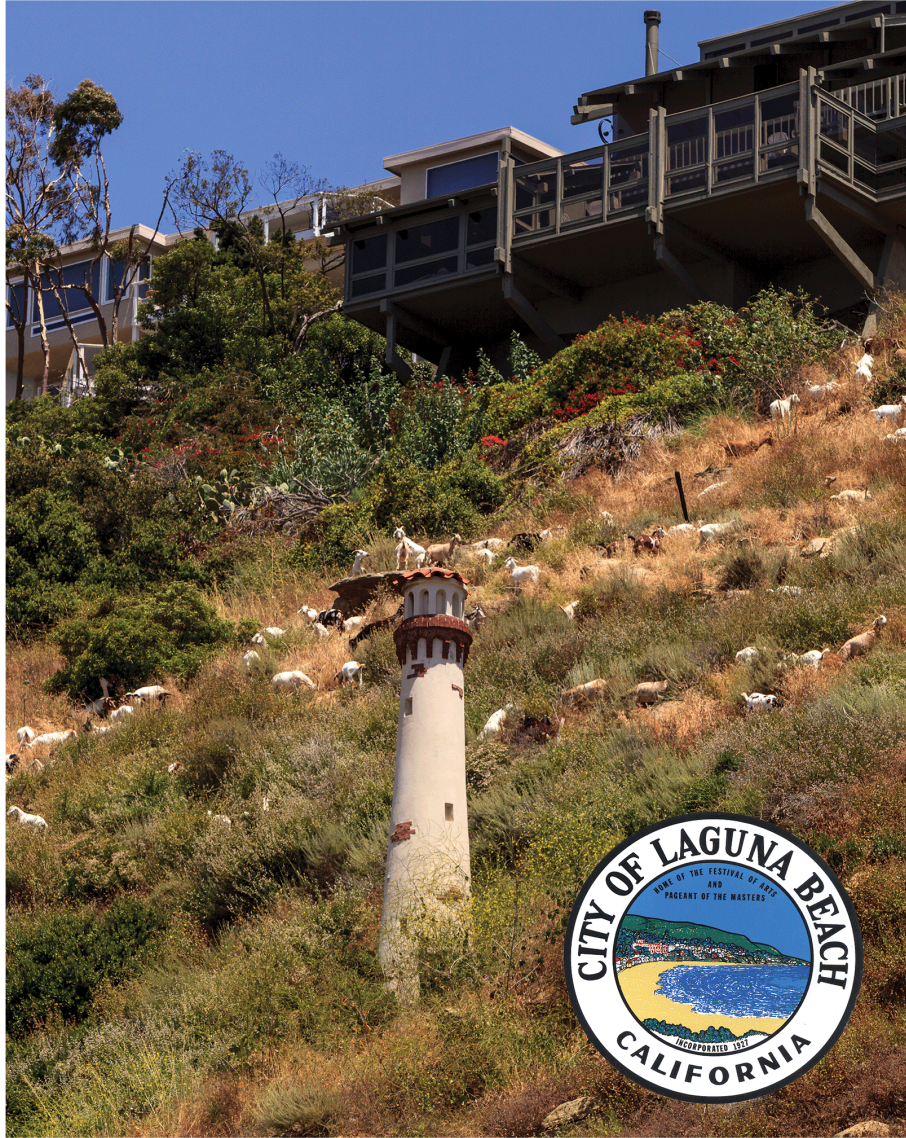


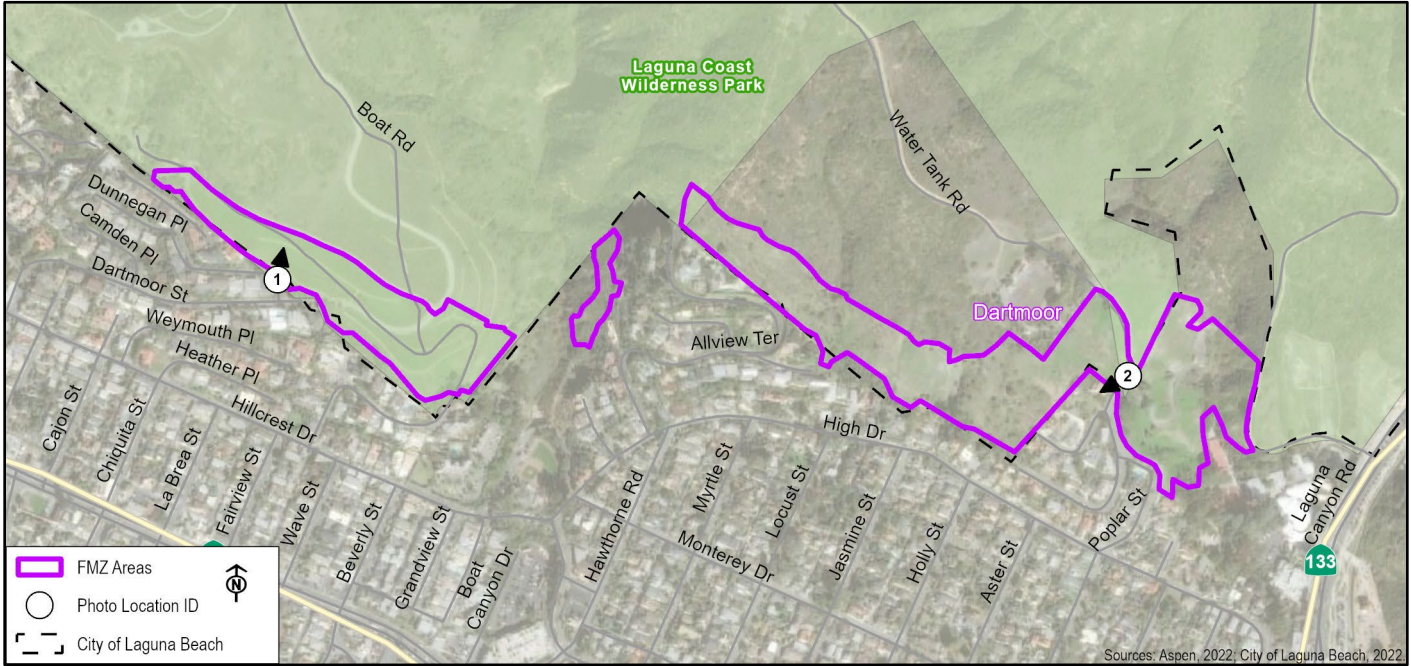
# CITY OF LAGUNA BEACH FUEL MODIFICATION PROGRAM



## SUMMARY OF FUEL MODIFICATION ZONES



# Fuel Modification Zone 1 – Dartmoor



<b>FMZ Number</b>	1
<b>FMZ Name</b>	Dartmoor
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Goats
<b>Total Acres</b>	29.91

FMZ 1 is located in the western portion of the City of Laguna Beach. It begins approximately at Dunnegan Place to the west, runs generally parallel to Hillcrest Drive, High Drive, and ends just beyond Poplar Street to the east. The overall habitat in FMZ 1 is dominated by vegetation including California sagebrush, non-native grasses, and laurel sumac.

The area is adjacent to residential development primarily to the south and recreational hiking trails to the north and east. The western portion and small areas of the eastern portion of FMZ 1 are located within Laguna Coast Wilderness Park

managed by Orange County Parks.

FMZ 1 is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion control measure.

#1

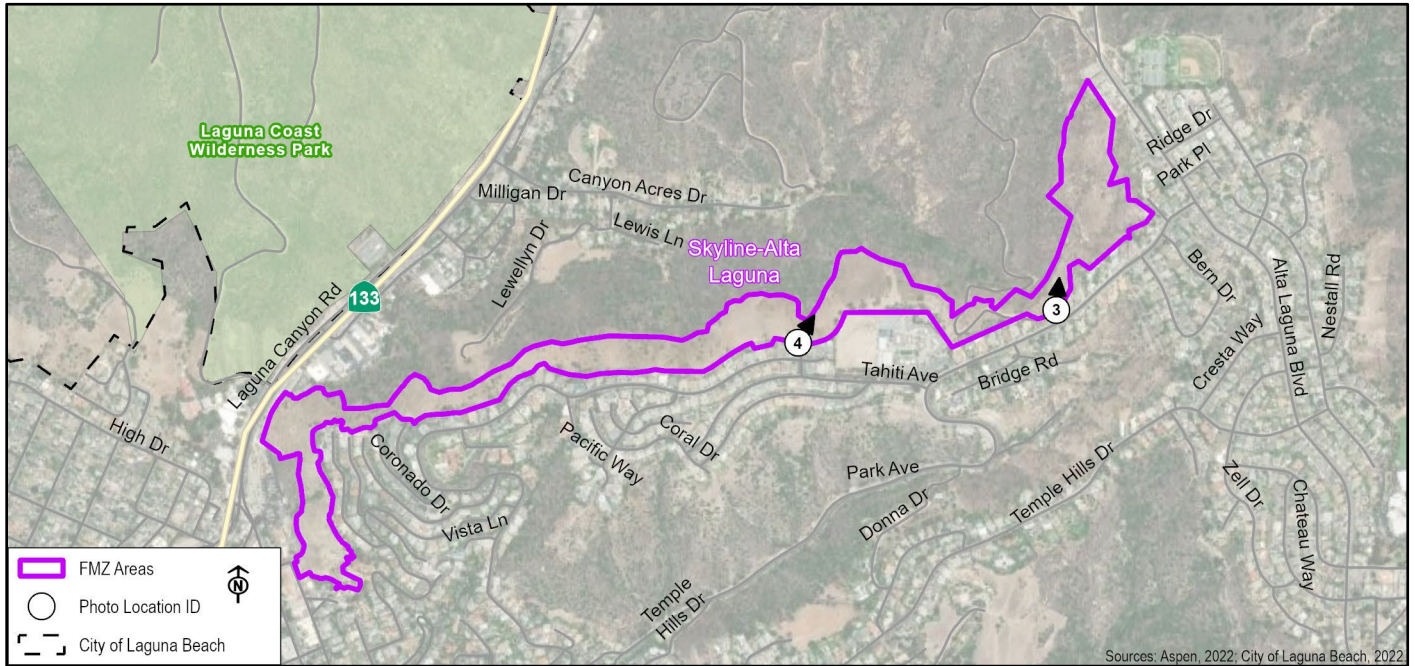


#2





## Fuel Modification Zone 2 – Skyline-Alta Laguna



<b>FMZ Number</b>	2	<p>FMZ 2 is located in the central portion of the City of Laguna Beach. It begins approximately at Loma Terrace to the west, runs generally along Skyline Drive and Park Avenue to the north, and ends just west of Alta Laguna Boulevard to the east. The hillside habitat is primarily non-native grassland with some sections of coastal sage scrub and includes non-native grasses and toyon.</p> <p>FMZ 2 is adjacent to residential and institutional areas to the south and east and recreational trails to the north.</p>
<b>FMZ Name</b>	Skyline-Alta Laguna	
<b>Status</b>	Implemented: Maintained by the City	
<b>Treatment Method</b>	Goats	
<b>Total Acres</b>	60.17	

FMZ 2 is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion control measure.

#3

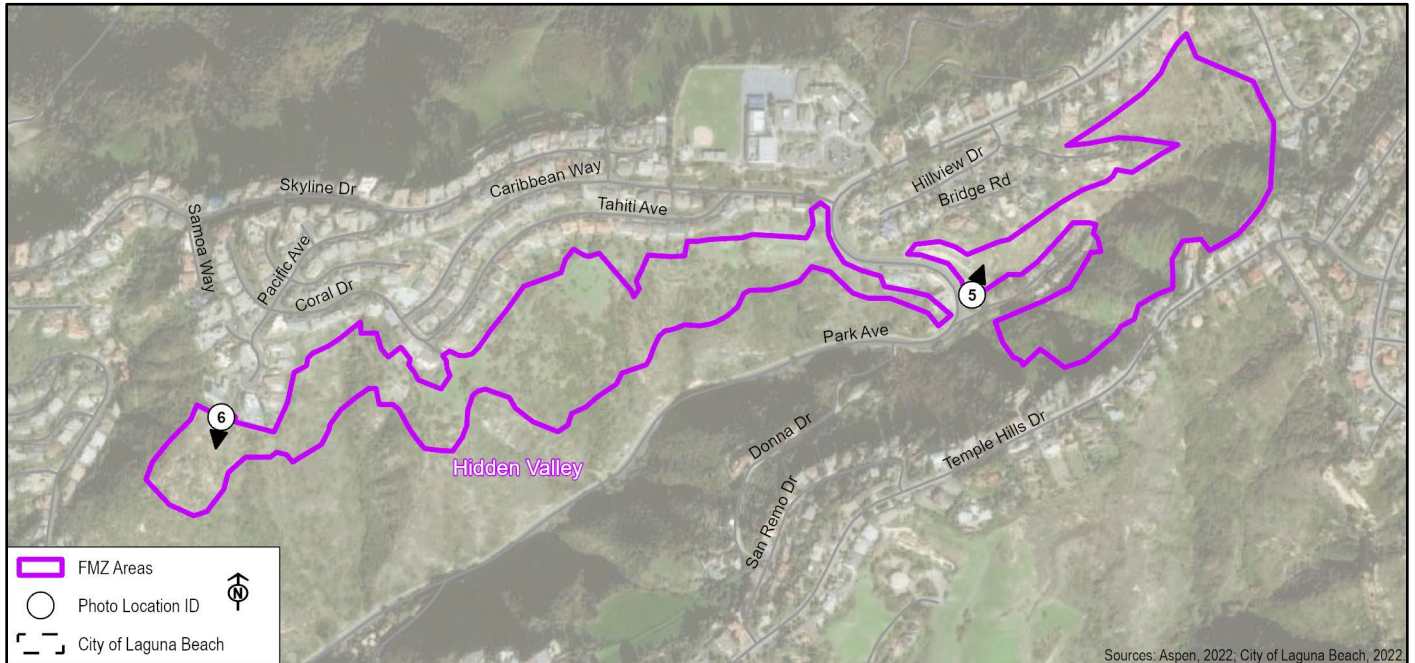


#4





## Fuel Modification Zone 3 – Hidden Valley



<b>FMZ Number</b>	3	<p>FMZ 3 is located in the central portion of the City of Laguna Beach. It begins just east of Skyline Drive to the west, runs easterly north of Park Avenue, and ends just west of Bern Drive to the east. The overall habitat is primarily coastal sage scrub and includes California sagebrush and prickly pear cactus.</p> <p>FMZ 3 is adjacent to residential development to the north and east and recreational hiking trails to the south and west. Goats will be used to reduce vegetation load in FMZ 3, and a bi-annual sensitive species review is required.</p> <p>FMZ 3 is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion control measure.</p>
<b>FMZ Name</b>	Hidden Valley	
<b>Status</b>	Implemented: Maintained by the City	
<b>Treatment Method</b>	Goats	
<b>Total Acres</b>	42.94	

#5

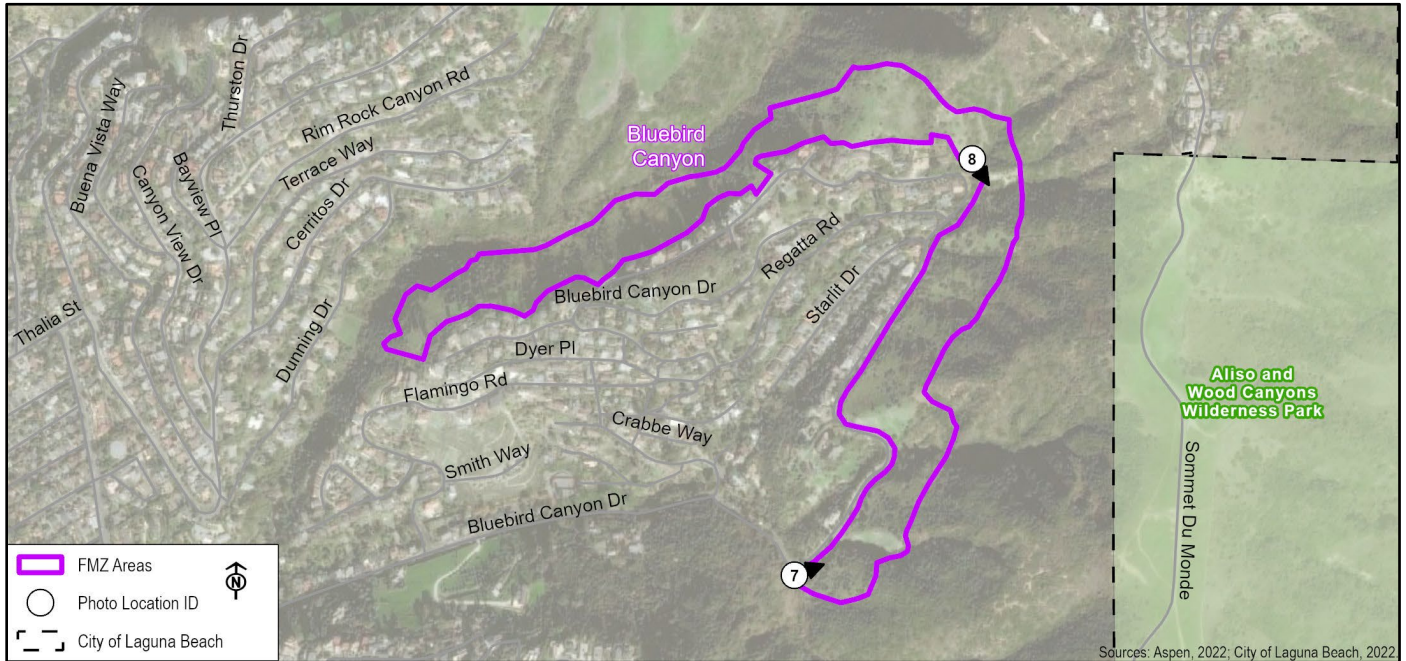


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## Fuel Modification Zone 4 – Bluebird Canyon



<b>FMZ Number</b>	4
<b>FMZ Name</b>	Bluebird Canyon
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Goats
<b>Total Acres</b>	39.95

FMZ 4 is located near the eastern portion of the City of Laguna Beach. It begins approximately at Madison Place to the west, runs generally along the north side of Morningside Drive, and ends just before the intersection of Morningside Drive and Rancho Laguna Road to the southeast. The steep hillside habitat is primarily coastal sage scrub, ornamental plants, and grasses primarily including California sagebrush, lemonade berry, toyon, and non-native grasses.

FMZ 4 wraps around residential development to the south and west. Recreational hiking trails are present to the north, east, and south.

FMZ 4 is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion control measure.

#7



#8





# Fuel Modification Zone 5 – Nestall – Top of the World



<b>FMZ Number</b>	5
<b>FMZ Name</b>	Nestall – Top of the World
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Goats
<b>Total Acres</b>	30.49

FMZ 5 is located in the eastern portion of the City of Laguna Beach. The south end is located just east of Sommet Du Monde, and runs generally along Mountain View Drive to the east, and ends at Tyrol Drive. The general habitat is primarily a non-native grassland with some sections of oak trees.

The area is adjacent to residential and institutional development to the west and recreation hiking trails to the north, east, and south.

FMZ 5 is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion control measure.

#9

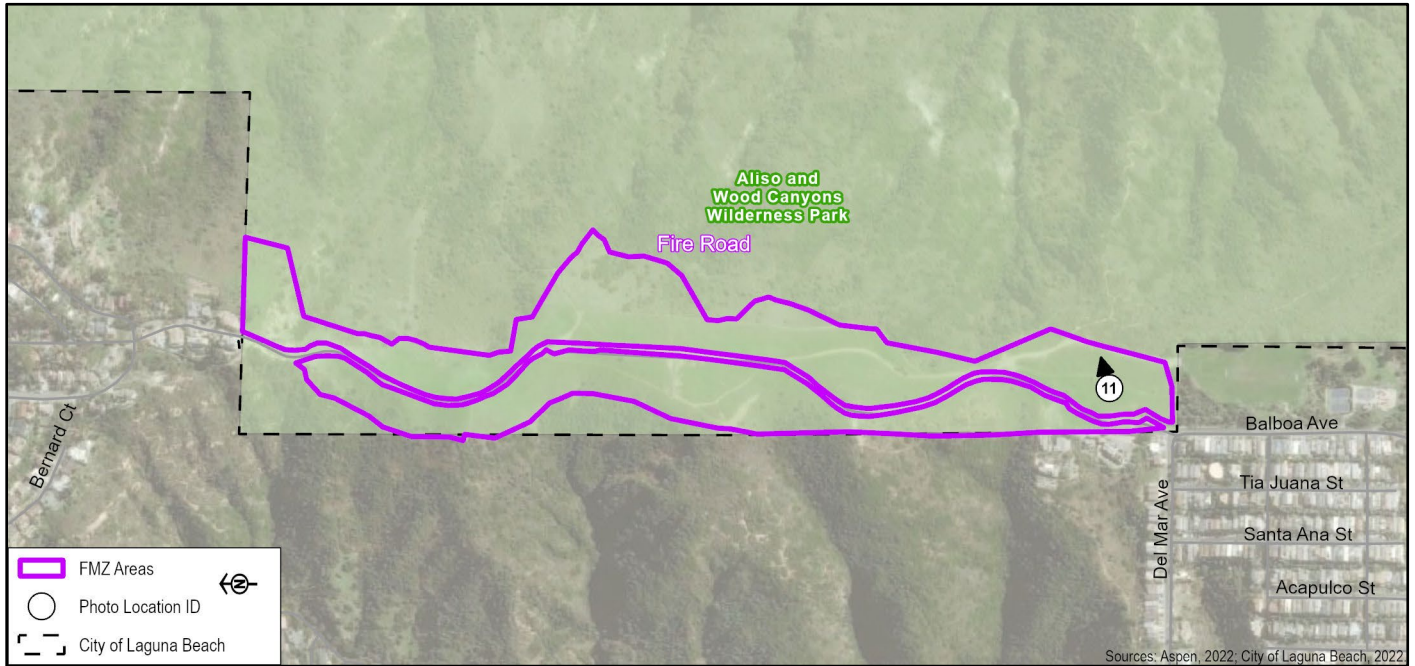


#10





## Fuel Modification Zone 6 – Fire Road



Sources: Aspen, 2022; City of Laguna Beach, 2022

<b>FMZ Number</b>	6
<b>FMZ Name</b>	Fire Road
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Goats
<b>Total Acres</b>	37.76

FMZ 6 is located in the eastern portion of the City of Laguna Beach. It begins east of Sommet Du Monde, runs along Sommet Du Monde to both the east and west, and ends just north of the intersection of Sommet Du Monde and Del Mar Avenue to the south. The overall habitat is primarily non-native grassland with some sections of coastal sage scrub and includes non-native grasses, toyon, and California sagebrush. FMZ 6 is entirely located within Aliso and Wood Canyons Wilderness Park.

FMZ 6 is adjacent to residential development to the north, recreational hiking trails to the east and west, and recreational facilities to the south.

FMZ 6 is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion control measure.

#11





## Fuel Modification Zone 7 – Ceanothus



<b>FMZ Number</b>	7
<b>FMZ Name</b>	Ceanothus
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Goats
<b>Total Acres</b>	10.11

FMZ 7 is located in the southern portion of the City of Laguna Beach, and generally runs to the east of Ceanothus Drive and Ocean View Street. The steep hillside habitat is primarily coastal sage scrub and non-native grasses and includes California sagebrush, lemonade berry, toyon, and non-native grasses.

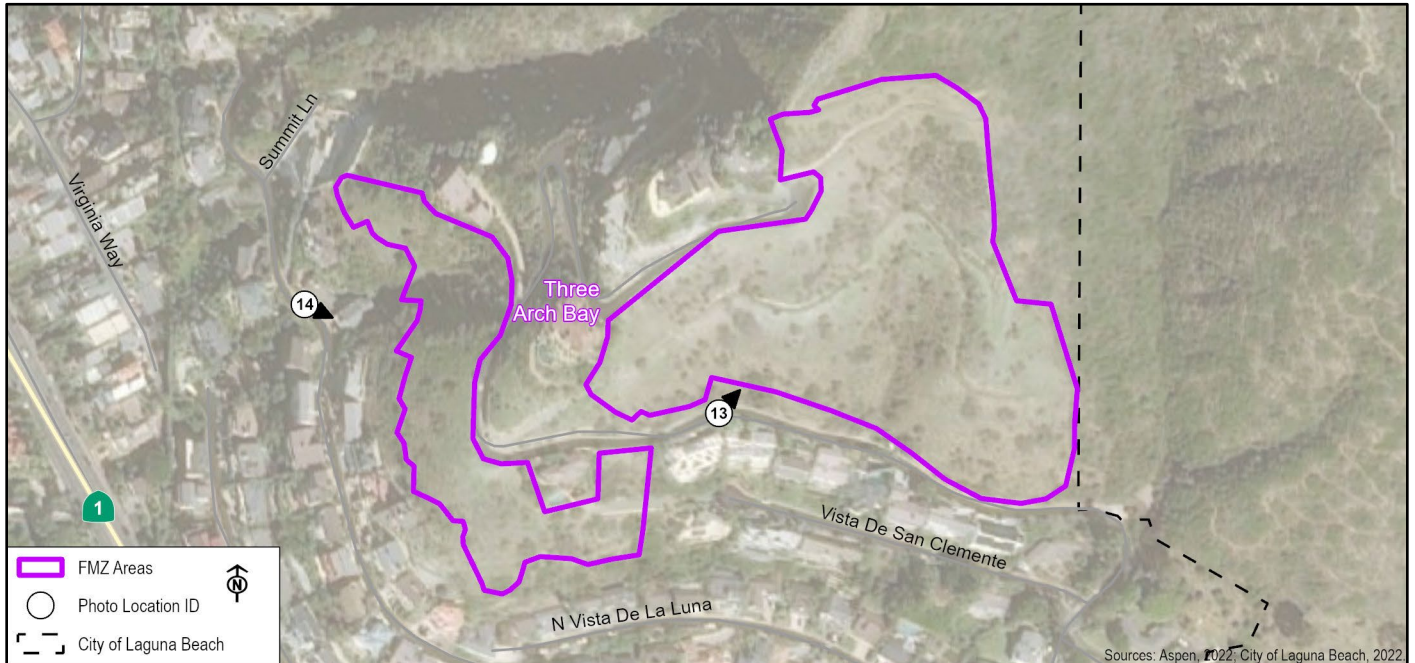
FMZ 7 is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion control measure.

#12





## Fuel Modification Zone 8 – Three Arch Bay



<b>FMZ Number</b>	8
<b>FMZ Name</b>	Three Arch Bay
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Goats
<b>Total Acres</b>	10.82

FMZ 8 is located in the southern portion of the City of Laguna Beach, east of Sunset Avenue and North Vista De Catalina, and north of North Vista De La Luna and Vista De San Clemente. The steep hillside habitat is primarily coastal sage scrub with bare rock and includes California sagebrush, laurel sumac, toyon, and non-native grasses.

FMZ 8 is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion

control measure.

#13



#14





## Fuel Modification Zone 9 – Del Mar



<b>FMZ Number</b>	9
<b>FMZ Name</b>	Del Mar
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Goats
<b>Total Acres</b>	7.35

FMZ 9 is located in the central portion of the City of Laguna Beach, east of La Mirada Street and north of Del Mar Avenue. The hillside habitat is primarily composed of oak trees, ornamental plants, and non-native grasses. Aliso and Wood Canyons Wilderness Park is adjacent to the east of this FMZ.

FMZ 5 is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion control measure.

#15

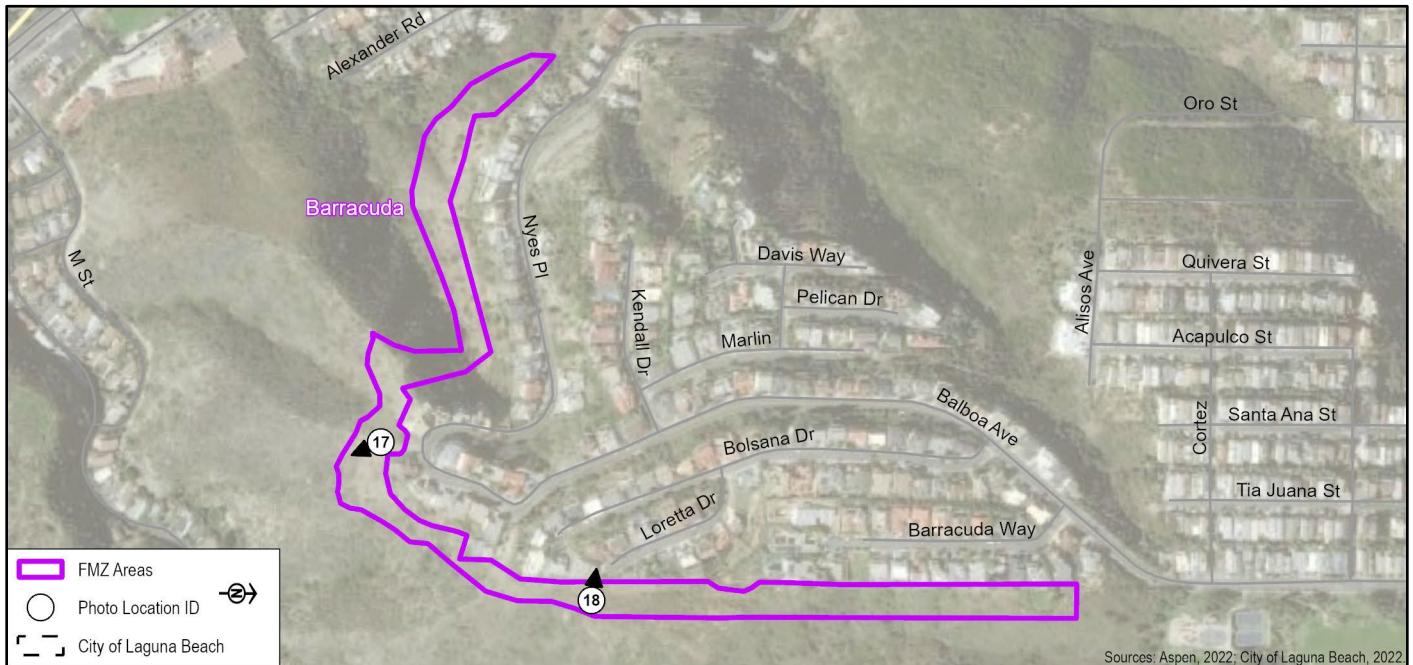


#16





## Fuel Modification Zone 10 – Barracuda



<b>FMZ Number</b>	10
<b>FMZ Name</b>	Barracuda
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Goats and Hand Crews
<b>Total Acres</b>	8.90

FMZ 10 is located in the eastern portion of the City of Laguna Beach, east of Barracuda Way and Loretta Drive, and south of Nyes Place. The local steep hillside habitat is primarily coastal sage scrub, cactus scrub, southern maritime chaparral and non-native grasses. Dominant vegetation includes California sagebrush, prickly pear cactus, and laurel sumac. A combination of goats and hand crews is used to maintain FMZ 10.

The portion of the zone located below Nyes Place is referred to as FMZ 10 (West) and is maintained by goat herds that conduct one pass annually. The herd clears up to 80% of the native and 100% of the non-native species within the zone. An average minimum of 4 inches height of intact grass is retained onsite as an erosion control measure.

The portion of the zone behind Loretta Drive and Barracuda Way is referred to as FMZ 10 (East). This area is maintained by hand crews due to the presence of high and very high value habitat. As of this report's publication, the City maintains the hand crew section under the conditions of an Emergency Coastal Development Permit, which limits maintenance to a single clearing per year. Hand crews clear up to 50% of the vegetation within the area starting with non-native species, herbaceous weeds, and grasses.

#17

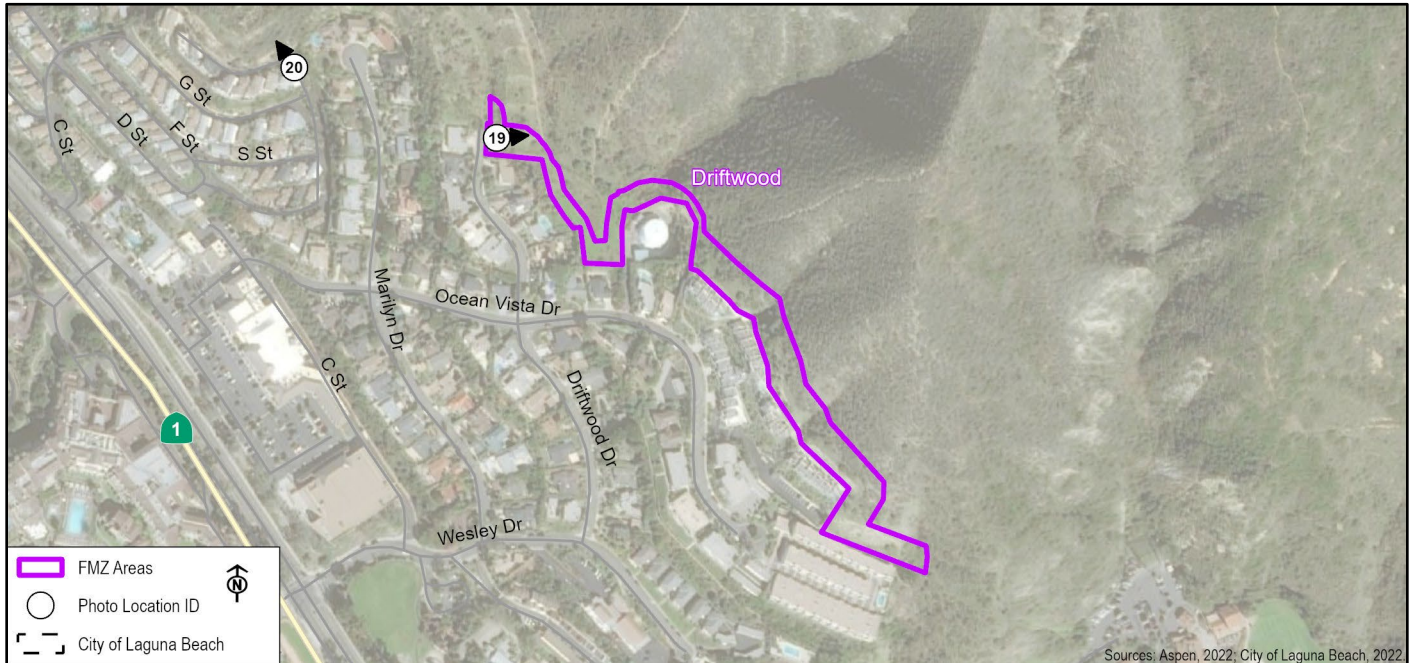


#18





## Fuel Modification Zone 11 – Driftwood



<b>FMZ Number</b>	11
<b>FMZ Name</b>	Driftwood
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	3.18

FMZ 11 is located in the eastern portion of the City of Laguna Beach, north of G Street, Ocean Vista Drive, and east of Driftwood Drive. Crownbeard, western dichondra, and paniculate tarplant occur within this FMZ. The habitat is primarily composed of coastal sage scrub, southern maritime chaparral and non-native grasses. Dominant vegetation includes California sagebrush, laurel sumac, lemonade berry bigpod ceanothus, and non-native grasses.

As of this report's publication, the City maintains FMZ 11 under the conditions of an Emergency Coastal Development Permit, which limits maintenance to a single clearing per year. Hand crews clear up to 50% of the vegetation within the area starting with non-native species, herbaceous weeds, and grasses.

#19

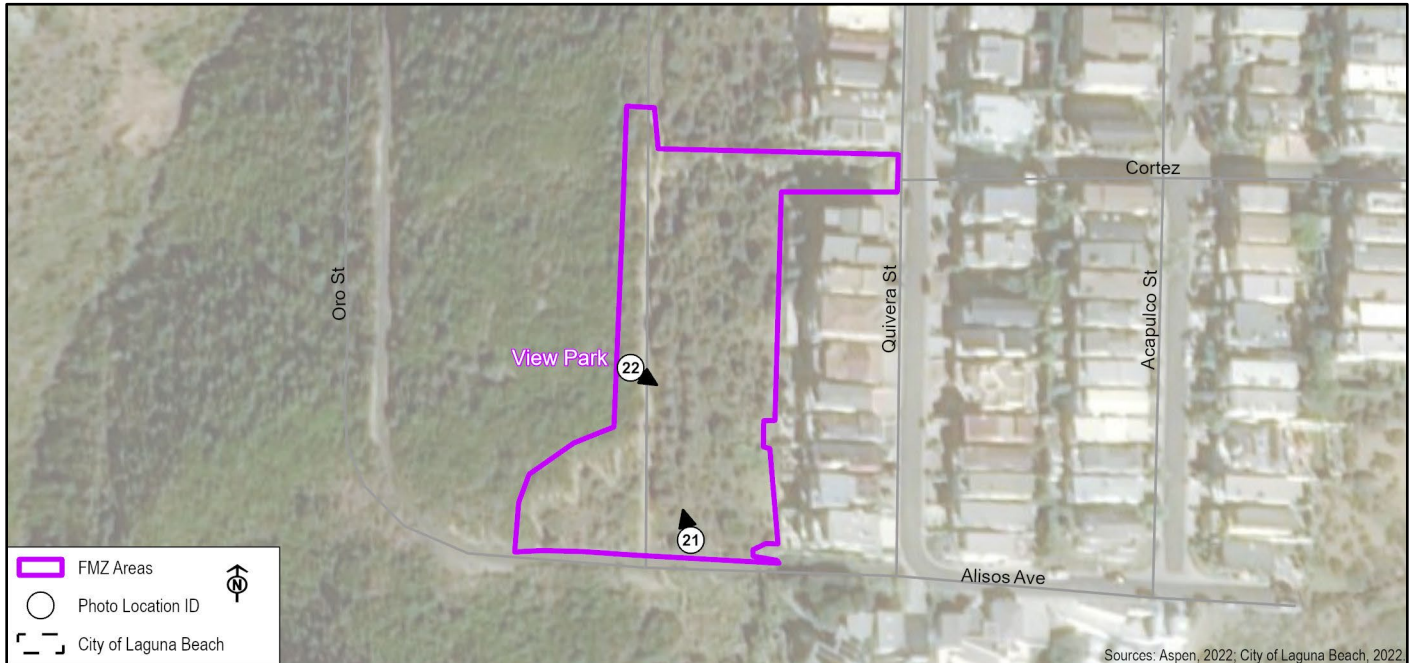


#20





## Fuel Modification Zone 12 – View Park



<b>FMZ Number</b>	12
<b>FMZ Name</b>	Park View
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	1.38

FMZ 12 is located in the eastern portion of the City of Laguna Beach, west of residences along Quivera Street, and is adjacent south of FMZ 13 and north of a portion of FMZ 15. Dense lemonade berry scrub dominates the habitat. Other vegetation includes California sagebrush, prickly pear cactus, and laurel sumac.

FMZ 12 is maintained by hand crews and receives up to three maintenance passes per year as follows: Pass 1 (Winter) herbicide treatment; Pass 2 (Spring) vegetation clearing and herbicide treatment; and Pass 3 (Summer), as needed, a final vegetation clearing and herbicide treatment.

#21



#22





## Fuel Modification Zone 13 – Oro Canyon

<b>FMZ Number</b>	13	<p>FMZ 13 is located in the eastern portion of the City of Laguna Beach, and is surrounded by residential development to the north, east, and west. It is adjacent north of FMZ 12. The habitat is primarily composed of coastal sage scrub, and dominant vegetation includes California sagebrush, lemonade berry, laurel sumac, and toyon.</p> <p>FMZ 13 is maintained by hand crews and receives up to three maintenance passes per year as follows: Pass 1 (Winter) herbicide treatment; Pass 2 (Spring) vegetation clearing and herbicide treatment; and Pass 3 (Summer), as needed, a final vegetation clearing and herbicide treatment.</p>
<b>FMZ Name</b>	Oro Canyon	
<b>Status</b>	Implemented: Maintained by the City	
<b>Treatment Method</b>	Hand Crews	
<b>Total Acres</b>	5.70	

#23

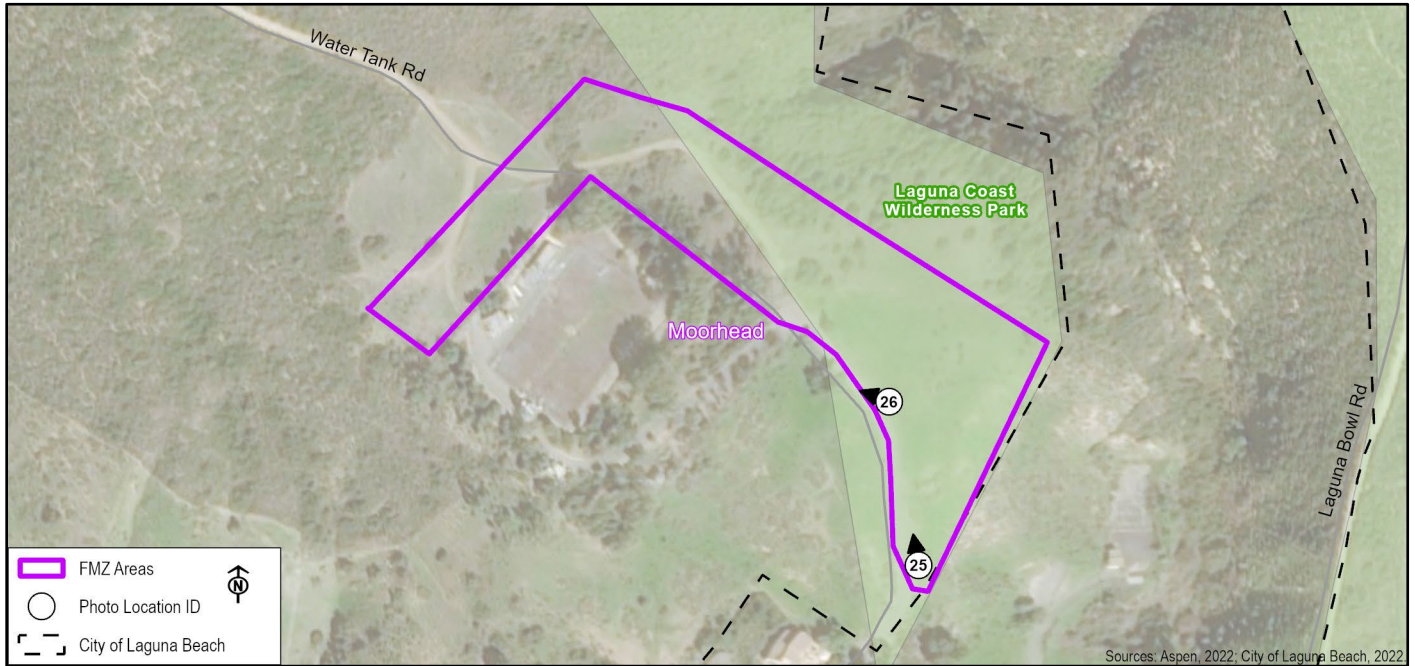


#24





## Fuel Modification Zone 14 – Moorhead



<b>FMZ Number</b>	14
<b>FMZ Name</b>	Moorhead
<b>Status</b>	Implemented: Not Maintained by the City
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	3.65

FMZ 14 is located in the western portion of the City of Laguna Beach. FMZ 14 encompasses the northern portion of Water Tank Road just west of Laguna Canyon Road (California State Route [SR] 133) on the eastern side of Laguna Beach. The local habitat consists of primarily non-native grasslands with patches of laurel sumac scrub. Dominant vegetation includes non-native grasses, cactus patches, and laurel sumac.

FMZ 14 is maintained annually by the Laguna Beach County Water District.

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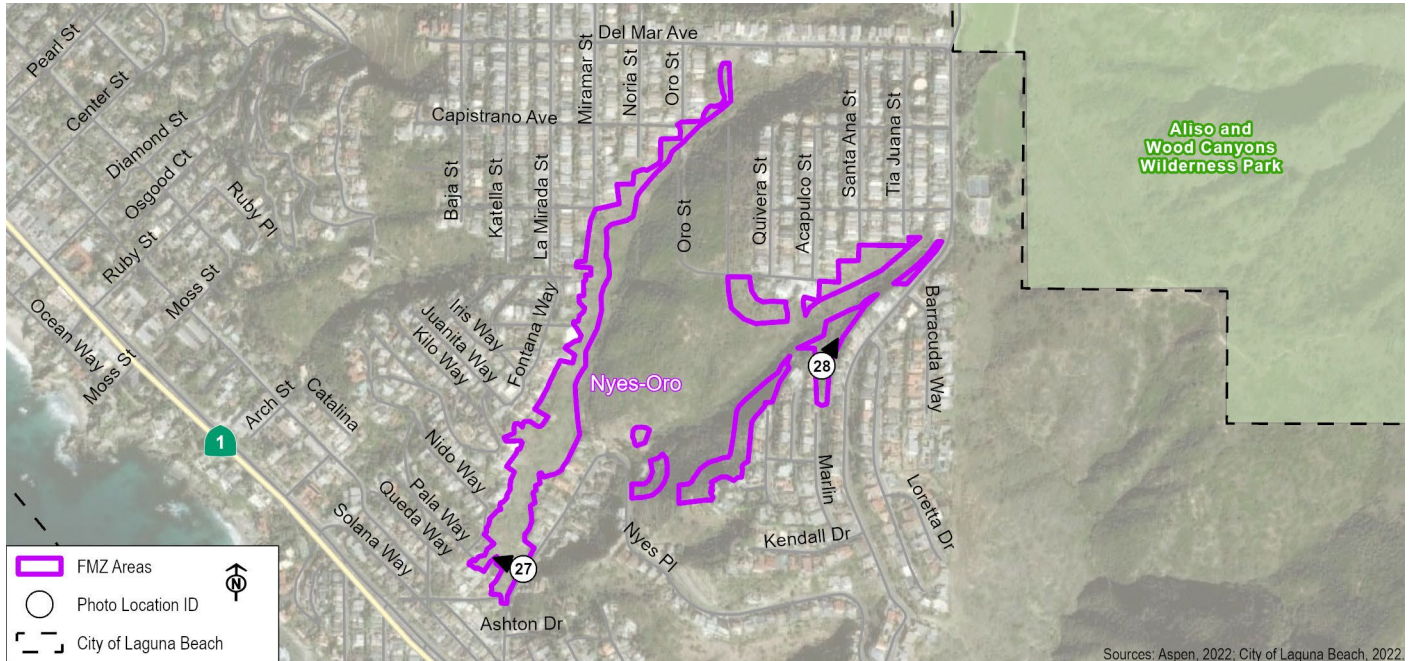


#26





## Fuel Modification Zone 15 – Nyes-Oro



<b>FMZ Number</b>	15
<b>FMZ Name</b>	Nyes-Oro
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	14.98

FMZ 15 is located in the central portion of the City of Laguna Beach. FMZ 15 includes several distinct boundaries near southern Laguna Beach. The western boundary borders the eastern side of residences beginning at Oro Street to the north and ending at Queda Way and Highland Road to the south. The eastern boundary is located south of Alisos Avenue and Cortez Avenue, west of Balboa Avenue and Davis Way, and north of Nyes Place.

The habitat is primarily composed of coastal sage scrub and southern maritime chaparral, non-native grasses, and landscaped areas. Dominant vegetation includes California sagebrush, lemonade berry and toyon. There are multiple exclusion areas for big-leaved crownbeard.

FMZ 15 is maintained by hand crews and receives up to three maintenance passes per year as follows: Pass 1 (Winter) herbicide treatment; Pass 2 (Spring) vegetation clearing and herbicide treatment; and Pass 3 (Summer), as needed, a final vegetation clearing and herbicide treatment.

#27

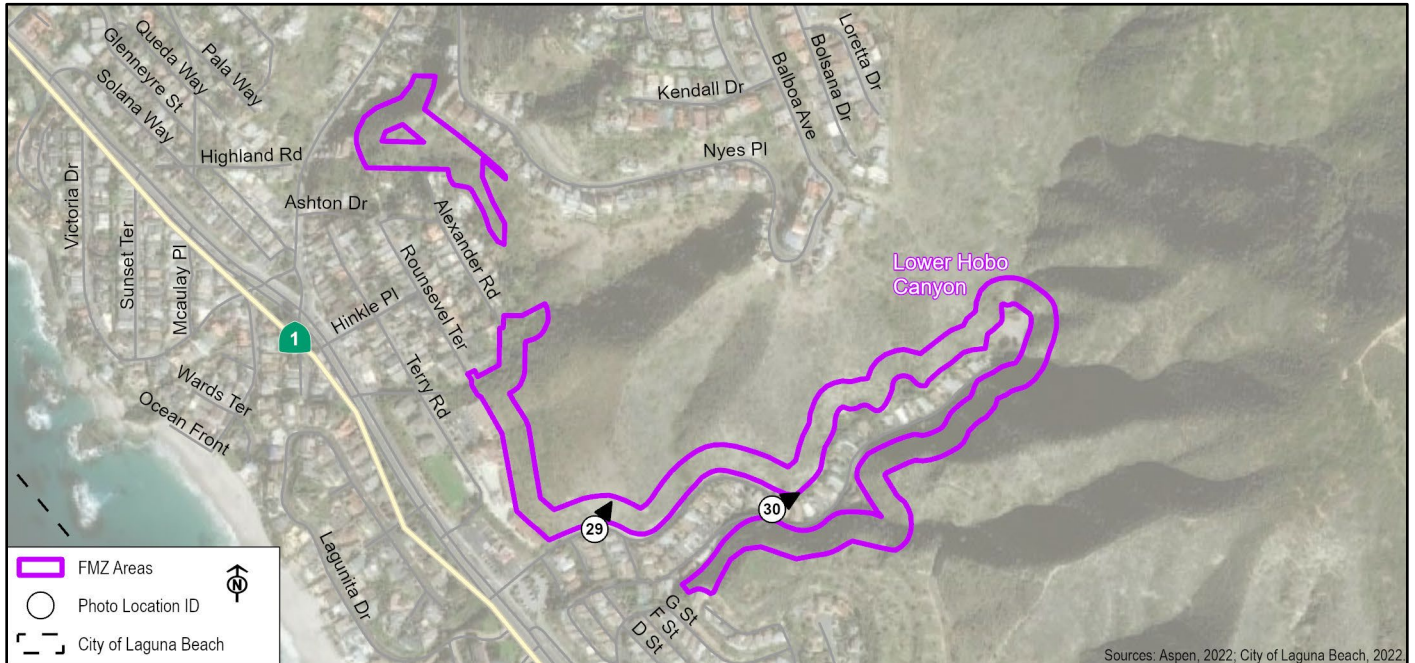


#28





## Fuel Modification Zone 16 – Lower Hobo Canyon



Sources: Aspen, 2022; City of Laguna Beach, 2022

<b>FMZ Number</b>	16
<b>FMZ Name</b>	Lower Hobo Canyon
<b>Status</b>	Undeveloped
<b>Treatment Method</b>	Undetermined
<b>Total Acres</b>	16.17

FMZ 16 is undeveloped as of this report's publication date. The City anticipates pursuing environmental design and permitting in 2023.

FMZ 16, as proposed, is composed of two portions in southern Laguna Beach. The northern portion is bordered by Nyes Place to north, east, and west, and Ashton Drive to the south. The southern portion borders the eastern side of residences and institutions (Saint Catherine of Siena Parish School) along Terry Road, runs easterly along Laguna Terrace N, M Street, K Street, and wraps around K Street to

the south and ends at H Street.

FMZ 16 contains steep hillside habitat with bare rock and grasses. Dominant vegetation includes California sagebrush, laurel sumac, toyon, and non-native grasses. There are large populations of big-leaved crownbeard in this area.

#29



#30





## Fuel Modification Zone 17 – Upper Bluebird Canyon



Sources: Aspen, 2022; City of Laguna Beach, 2022

<b>FMZ Number</b>	17
<b>FMZ Name</b>	Upper Bluebird Canyon
<b>Status</b>	Development in Progress
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	8.60

FMZ 17 is located in the eastern portion of the City of Laguna Beach. FMZ 17 is on the south side of Temple Hills Drive and west of Zell Drive and Bernard Court, behind residential properties in east Laguna Beach. A small portion of the southern end of FMZ 17 is within Aliso and Wood Canyons Wilderness Park.

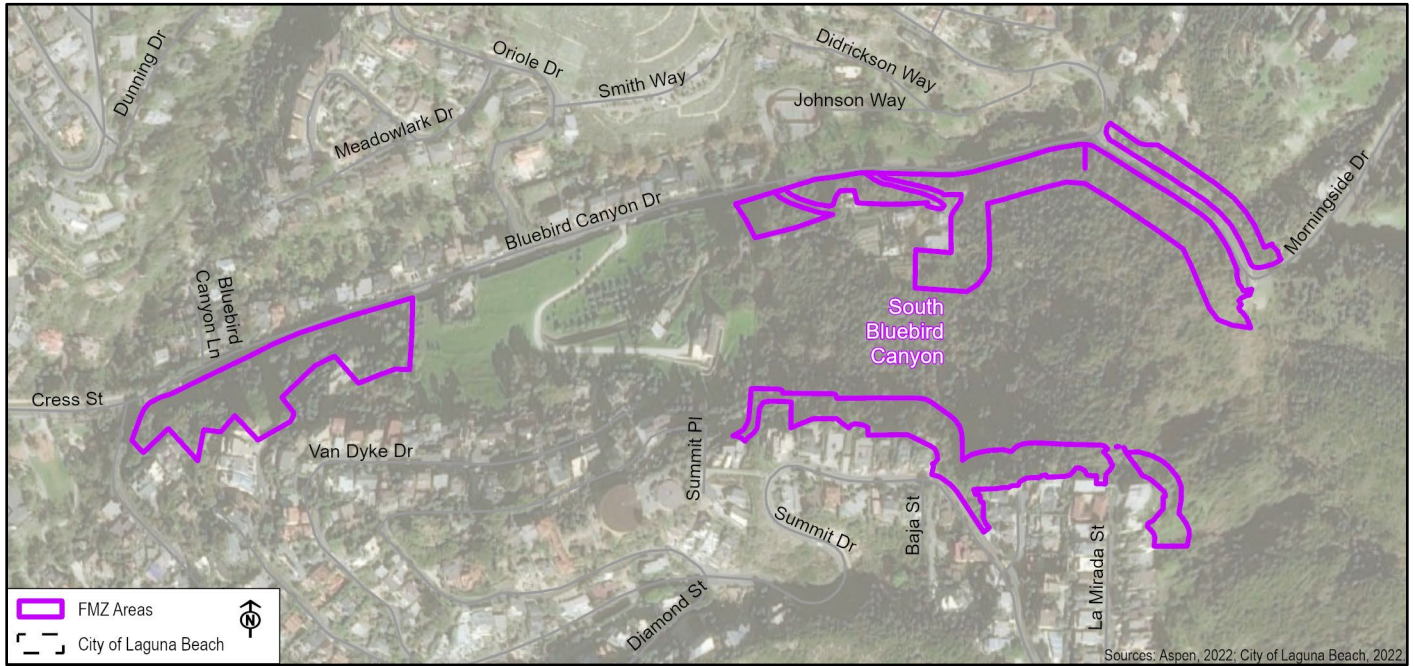
Habitat within FMZ 17 is primarily composed of coastal sage scrub and lemonade berry scrub. Dominant plant species includes lemonade berry, California buckwheat, and California sagebrush. Several large sandstone outcrops and cliff faces are also present.

As of this report's publication date, FEMA is conducting its review of the environmental documents. The City anticipates developing FMZ 17 in 2023. Fuel management is expected to be achieved utilizing hand crews. After development, the zone will be maintained on an ongoing basis per the City's treatment protocols.





## Fuel Modification Zone 18 – South Bluebird Canyon



Sources: Aspen, 2022; City of Laguna Beach, 2022

<b>FMZ Number</b>	18
<b>FMZ Name</b>	South Bluebird Canyon
<b>Status</b>	Development in Progress
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	9.19

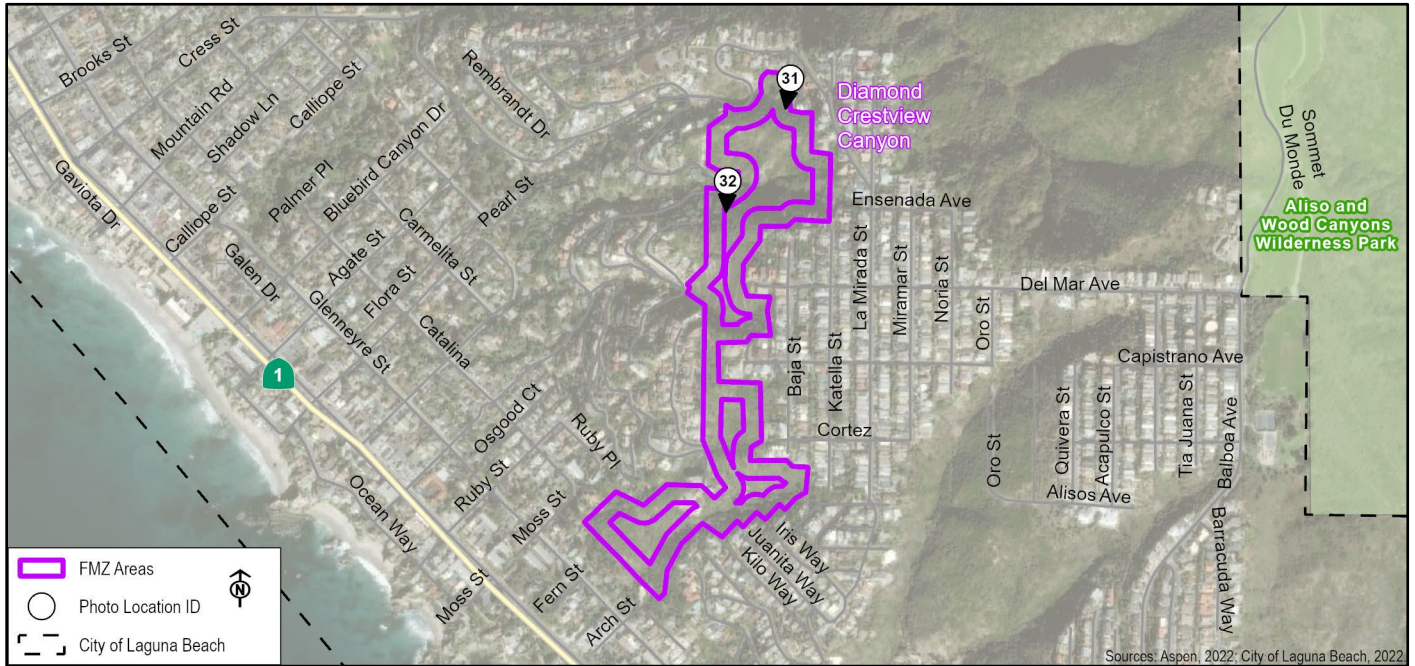
FMZ 18 consists of three distinct areas and is on the south side of Bluebird Canyon Drive and north of Summit Drive near central Laguna Beach. Habitat within FMZ 18 is primarily composed of chaparral and coastal sage scrub. Dominant plant species includes toyon and lemonade berry. Several ornamental species such as Chinese elm are also present along Bluebird Canyon Drive.

As of this report's publication date, FEMA is conducting its review of the environmental documents. The City anticipates developing FMZ 18 in 2023. Fuel management is expected to be achieved utilizing hand crews. After development, the zone will be maintained on an ongoing basis per the City's treatment protocols.





# Fuel Modification Zone 19 – Diamond Crestview Canyon



<b>FMZ Number</b>	19
<b>FMZ Name</b>	Diamond Canyon
<b>Status</b>	Undeveloped
<b>Treatment Method</b>	Undetermined
<b>Total Acres</b>	19.93

FMZ 19 is undeveloped as of this report's publication date. The City anticipates pursuing environmental design and permitting in 2023.

FMZ 19 is surrounded by residential development along Summit Drive to the north, Baja Street to the east, Lomita Way, Catalina Street, Glenneyre Street, and Moss Street to the south, and Crestview Drive and Diamond Street to the west. Steep hillside habitat primarily contains coastal sage scrub with bare rock and grasses. Dominant vegetation includes California sagebrush, laurel sumac, toyon,

and non-native grasses.

#31

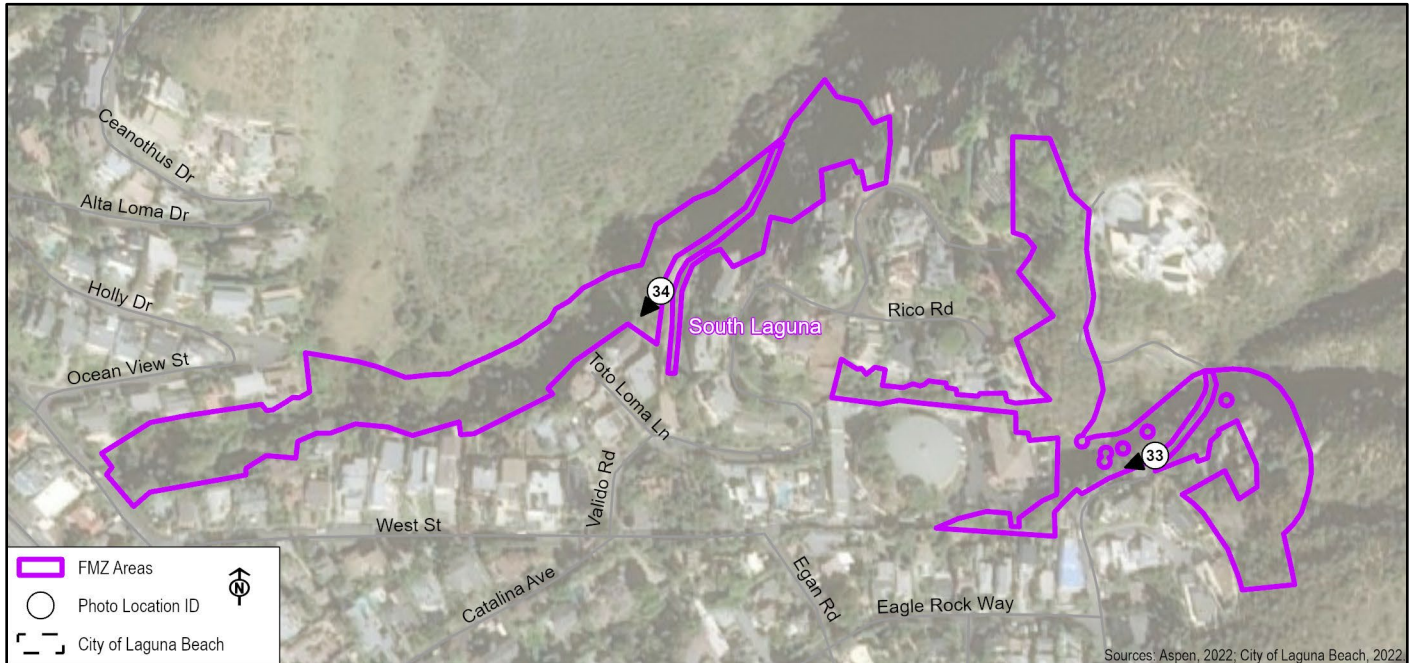


#32





## Fuel Modification Zone 20 – South Laguna



<b>FMZ Number</b>	20
<b>FMZ Name</b>	South Laguna
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	6.96

FMZ 20 encompasses the canyons and hillsides bounded roughly on the west by Ceanothus Drive, Alta Loma Drive, Holly Drive, and Ocean View Street; on the south by West Street, Valido Road, and Paseo del Sur; and wraps around East Georges Way, Mar Vista Avenue, and Eagle Rock Way. FMZ 20 predominantly borders the northern portion of the South Laguna residential neighborhood as well as the South Coast Water District office and water reservoir. The majority of FMZ 20 is located within Aliso and Wood Canyons Wilderness Park and includes the beginning of Valido Trail.

The steep hillside habitat primarily contains southern maritime chaparral and non-native grasses. Dominant vegetation includes California sagebrush, bigpod ceanothus, cactus patches, toyon, eucalyptus trees, and non-native grasses. Several treatment exclusions to protect big-leaved crownbeard are present in this area.

FMZ 20 is maintained by hand crews and receives up to three maintenance passes per year as follows: Pass 1 (Winter) herbicide treatment; Pass 2 (Spring) vegetation clearing and herbicide treatment; and Pass 3 (Summer), as needed, a final vegetation clearing and herbicide treatment.

#33

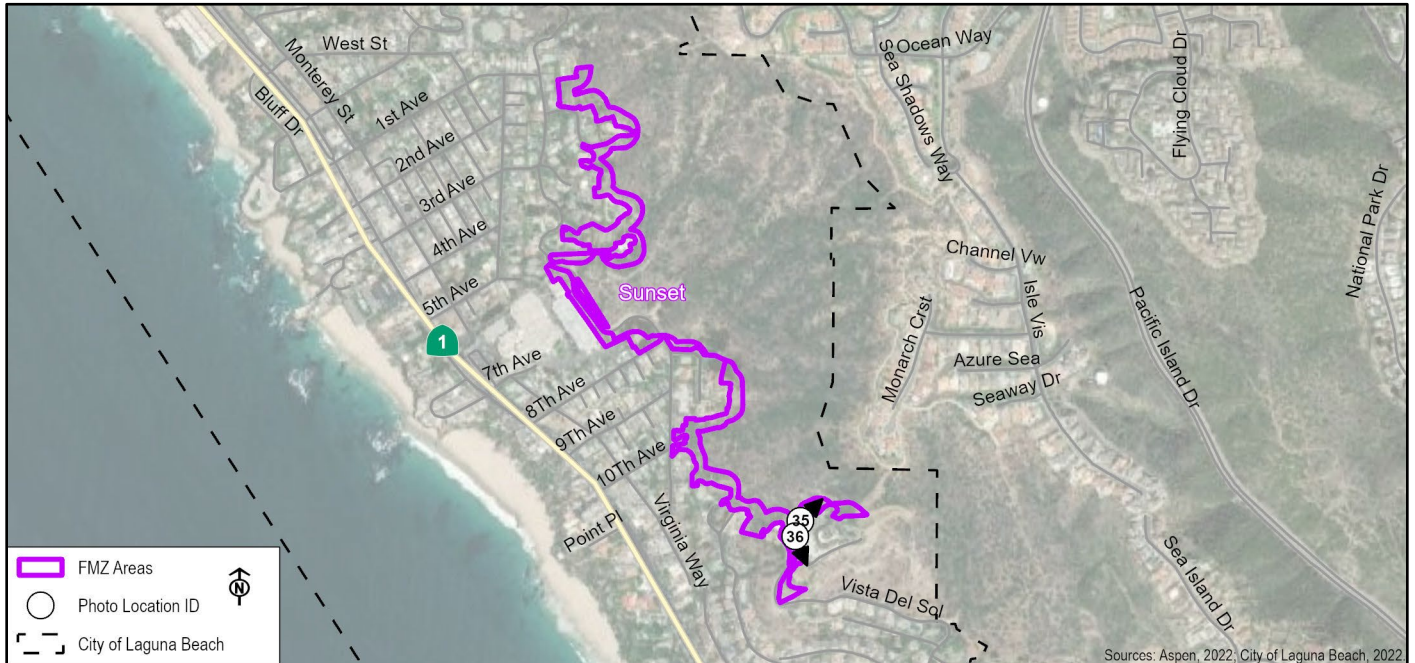


#34





## Fuel Modification Zone 21 – Sunset



<b>FMZ Number</b>	21
<b>FMZ Name</b>	Sunset
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	12.56

FMZ 21 is located on the hillsides to the east of the neighborhoods between Eagle Rock Way to the north and Vista Del Sol to the south. The steep, densely vegetated slopes within FMZ 21 pose a risk of wildfire hazards to nearby structures and valuable habitat.

The FMZ primarily contains southern maritime chaparral, coastal sage scrub with bare rock and grasses. Dominant vegetation includes California sagebrush, bigpod ceanothus, laurel sumac, toyon, and non-native grasses. The lower portions of existing drainages are largely disturbed and planted with ornamental vegetation.

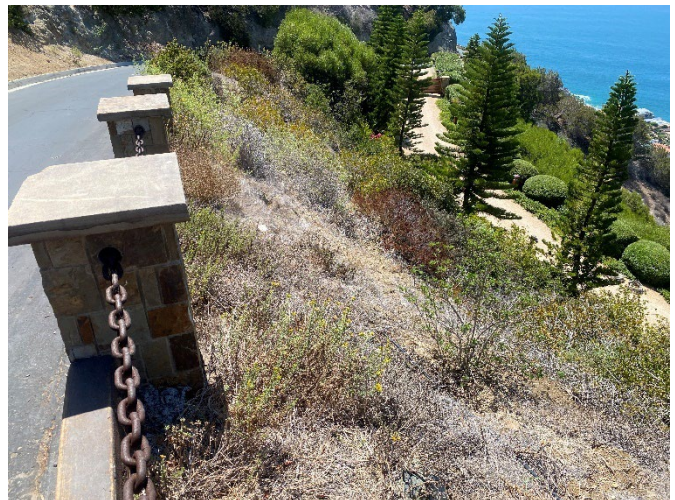
There are several treatment exclusions to protect populations of big-leaved crownbeard in this area.

FMZ 21 is maintained by hand crews and receives up to three maintenance passes per year as follows: Pass 1 (Winter) herbicide treatment; Pass 2 (Spring) vegetation clearing and herbicide treatment; and Pass 3 (Summer), as needed, a final vegetation clearing and herbicide treatment.

#35

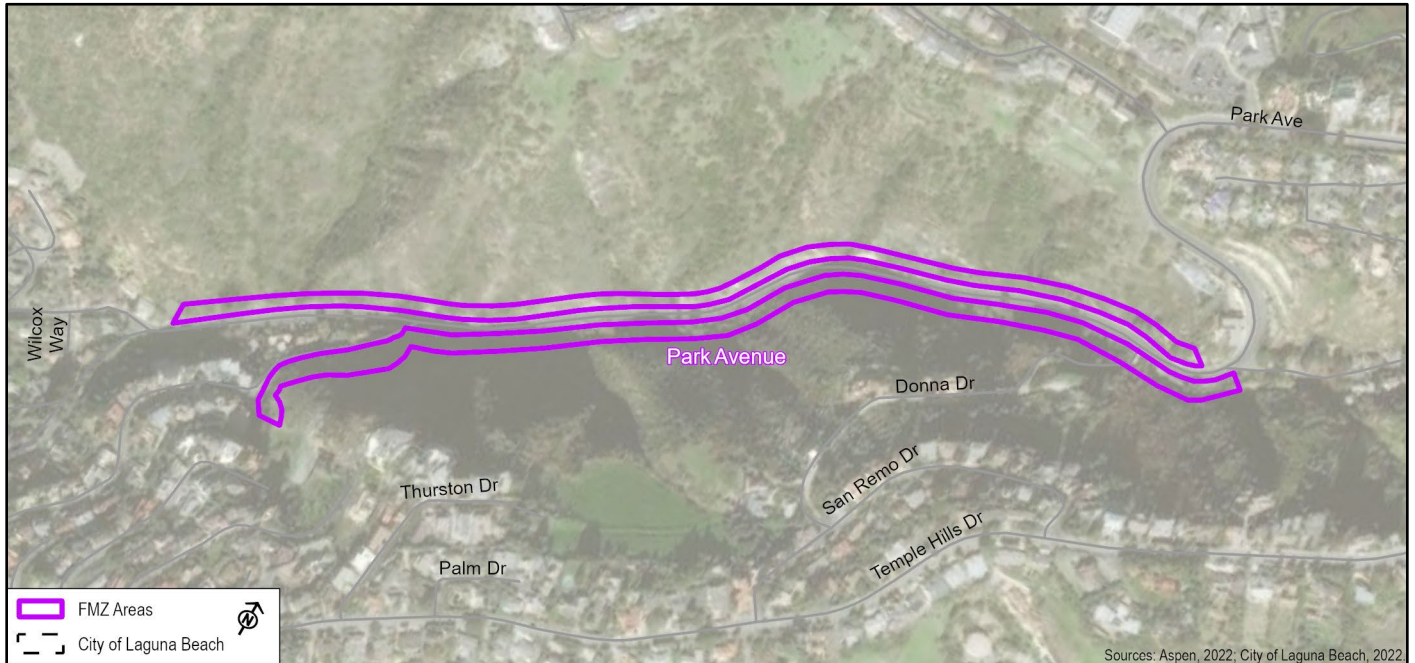


#36





## Fuel Modification Zone 22 – Park Avenue



<b>FMZ Number</b>	22	<p>FMZ 22 extends along Park Avenue, west of Hidden Valley Canyon Road and ends east of Wendt Terrace and Temple Hills Drive. The local habitat is primarily composed of coastal sage scrub. Dominant plant species includes California sagebrush, California encelia, lemonade berry, and coyote brush. Several ornamental species such as Canary Island pine are also present along Park Avenue. Several large sandstone outcrops are also located along the west side of Park Avenue.</p>
<b>FMZ Name</b>	Park Avenue	
<b>Status</b>	Implemented: Maintained by the City	
<b>Treatment Method</b>	Hand Crews	
<b>Total Acres</b>	7.16	

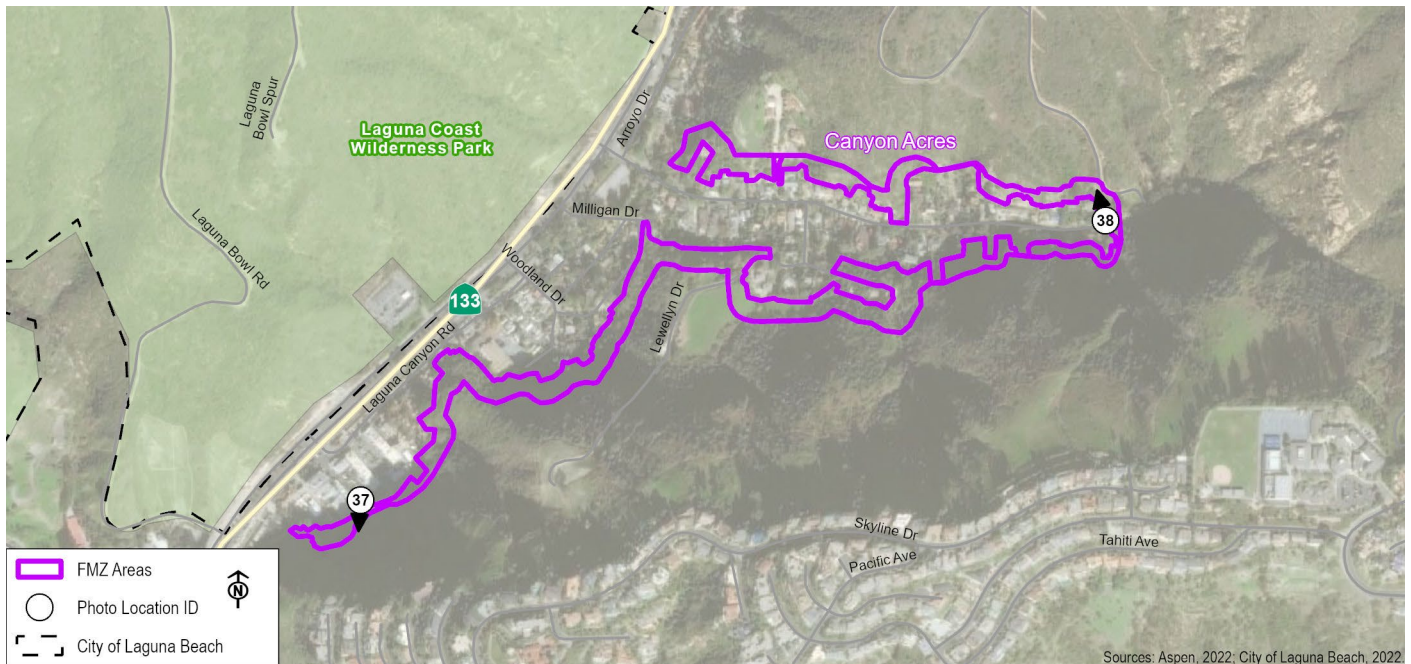
FMZ 22 consists of 50-foot zones of cleared vegetation on both sides of Park Avenue, a local evacuation roadway. No goats are used in FMZ 22 due to geological stability concerns.

FMZ 22 is maintained by hand crews and receives up to three maintenance passes per year as follows: Pass 1 (Winter) herbicide treatment; Pass 2 (Spring) vegetation clearing and herbicide treatment; and Pass 3 (Summer), as needed, a final vegetation clearing and herbicide treatment.





## Fuel Modification Zone 23 – Canyon Acres



Sources: Aspen, 2022; City of Laguna Beach, 2022

<b>FMZ Number</b>	23
<b>FMZ Name</b>	Canyon Acres
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	14.87

Beginning in the south, FMZ 23 begins immediately east of Laguna Beach Parking Lot 10 and proceeds behind (southeast) the Sawdust Art Festival and Boys and Girls Club of Laguna Beach and along both sides of Canyon Acres Drive. It is located at the bottom of a tributary canyon to Laguna Canyon, and lower portions consist of extremely steep walls. The majority of FMZ 23 is already disturbed by existing fuel breaks and is vegetated by non-native plants introduced by homeowners. There are, however, some pockets of relatively intact coastal sage scrub and lemonade berry-giant wild rye scrub.

FMZ 23 is maintained by hand crews and receives up to three maintenance passes per year as follows: Pass 1 (Winter) herbicide treatment; Pass 2 (Spring) vegetation clearing and herbicide treatment; and Pass 3 (Summer), as needed, a final vegetation clearing and herbicide treatment.

#37

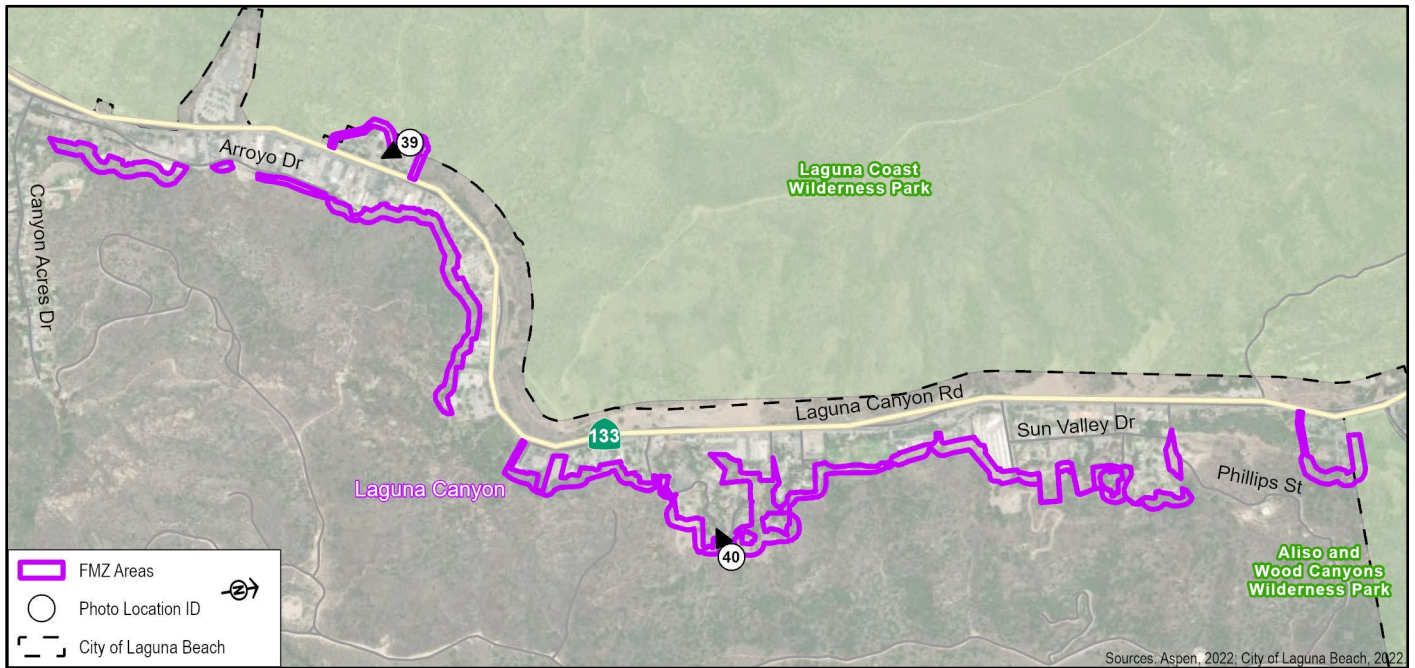


#38





## Fuel Modification Zone 24 – Laguna Canyon



Sources: Aspen, 2022; City of Laguna Beach, 2022

<b>FMZ Number</b>	24
<b>FMZ Name</b>	Laguna Canyon
<b>Status</b>	Implemented: Maintained by the City
<b>Treatment Method</b>	Hand Crews
<b>Total Acres</b>	29.35

FMZ 24 is predominantly on the east side of Laguna Canyon Road behind residential properties and businesses. A small portion surrounds Laguna College of Art and Design on the southwestern end, and another section surrounds the Anneliese School to the north. FMZ 24 is moderately impacted by existing fuel breaks and non-native plants, with some existing areas of relatively intact native habitats with coastal sage scrub, California sagebrush, cactus patches, lemonade berry and laurel sumac. Portions of this zone are managed by Orange County Parks. Sensitive species in this area include coastal scrub oak, intermediate mariposa lily, and paniculate tarplant.

FMZ 24 is maintained by hand crews and receives up to three maintenance passes per year as follows: Pass 1 (Winter) herbicide treatment; Pass 2 (Spring) vegetation clearing and herbicide treatment; and Pass 3 (Summer), as needed, a final vegetation clearing and herbicide treatment.

#39



#40





## Fuel Modification Zone 25 – Irvine Cove



Sources: Aspen, 2022; City of Laguna Beach, 2022

<b>FMZ Number</b>	25
<b>FMZ Name</b>	Irvine Cove
<b>Status</b>	Implemented: Not Maintained by the City
<b>Treatment Method</b>	Mowed (Private HOA)
<b>Total Acres</b>	6.36

FMZ 25 is on the easternmost side of Laguna Beach and borders the western and northern portions of the Irvine Cove neighborhood north of Coast Highway (SR-1). FMZ 25 is entirely within Crystal Cove State Park, managed by California State Parks. Recreational trails are located in the northwest portions.

FMZ 25 has been previously treated and contains non-native grasslands and restoration areas. Dominant vegetation includes non-native grasses and cactus patches.

This FMZ is privately maintained by the local Homeowner's Association (HOA) and is regularly hand-mowed.

#41



#42





## Fuel Modification Zone 26 – Emerald Bay



Sources: Aspen, 2022; City of Laguna Beach, 2022

<b>FMZ Number</b>	26
<b>FMZ Name</b>	Emerald Bay
<b>Status</b>	Implemented: Not Maintained by the City
<b>Treatment Method</b>	Mowed (Private HOA)
<b>Total Acres</b>	18.17

FMZ 26 adjacent to the east of FMZ 25 and borders the Emerald Cove neighborhood to the northwest, north, and northeast. FMZ 26 is located entirely within Crystal Cove State Park (managed by California State Parks) and Laguna Coast Wilderness Park (managed by Orange County Parks).

Hillside habitat includes coastal sage scrub with sections recovering from previous wildfire burns. Dominant vegetation includes prickly pear cactus and California sagebrush.

This FMZ is privately maintained by the local Homeowner's Association (HOA) and is regularly hand-mowed.

#43



#44





## Fuel Modification Zone 27 – Corporate Yard



Sources: Aspen, 2022; City of Laguna Beach, 2022

<b>FMZ Number</b>	27	FMZ 27 surrounds City property (Lot 16) just west of SR-133. Portions of FMZ 27 is adjacent to Laguna Coast Wilderness Park, managed by Orange County Parks.
<b>FMZ Name</b>	Corporate Yard	
<b>Status</b>	Implemented: Maintained by the City	FMZ 27 is composed of hillside habitat with coastal sage scrub. Dominant vegetation includes California sagebrush, lemonade berry, laurel sumac, and blue elderberry.
<b>Treatment Method</b>	Hand Crews	
<b>Total Acres</b>	1.51	FMZ 27 is maintained by hand crews and receives up to three maintenance passes per year as follows: Pass 1 (Winter) herbicide treatment; Pass 2 (Spring) vegetation clearing and herbicide treatment; and Pass 3 (Summer), as needed, a final vegetation clearing and herbicide treatment.

#45



#46

