

Five Year Vegetative Fuels Management Plan

In 1993, Incident Management Concepts, a fire consultant company prepared a Five Year Vegetative Fuels Management Plan for the City Parks and Recreation Department, which included 397 acres of open space managed by the City Parks and Recreation and Public Works Departments. The plan assessed the vegetation state and fire hazard of designated undeveloped parklands, open space and water resource areas located within or adjacent to the urban wildland interface areas of the City. The plan includes both high fire hazard areas and non-high fire hazard areas. Recommendations were made for the most appropriate method of fire hazard abatement techniques to be implemented on each site and the estimated cost of each project.

The plan was designed as a 5 year project inventory list of proposed projects. Projects on the inventory list were then ranked in importance of treatment, possibility of implementation, and overall benefits.

The majority of recommendations listed in the 5 Year Plan have been implemented over the past 8 years. Some of the recommendations still need to be completed. All of the projects that were completed as part of the plan will require continued maintenance. Hazard abatement involving mowing or weed whipping of grasses will require an annual maintenance schedule. Treatments involving fireproofing and fire landscaping as defined in the plan glossary will require a periodic maintenance. Maintenance of fireproofing and fire landscaping treatments is dependent on City funding sources.

Environmental review for the plan was not completed prior to implementation. Therefore, the recommendations in the plan will be incorporated into the Wildland Fire Plan and be included in the environmental document (Policy 10, Action 10.1)

Listed below are the specific vegetation management areas and the proposed treatments. The enclosed vegetation management areas and treatment methods include recent updates as a result of the Fire Department hazard and risk assessment.

EQUESTRIAN CIRCLE/ MISSION PARK AREA

Equestrian Circle (See enclosed map)

- Implement vegetation management treatment to provide defensible space for firefighting apparatus and personnel and extend this perimeter control line along Mountain Drive. Vegetation management will extend 100 feet along north edge of Mountain Drive (**Area A**) or to the riparian zone. This vegetation management should consist of pruning out dead material, limbing or thinning of eucalyptus (**Area B**) , and chipping and scattering biomass throughout the site.
- Weed-whip or mow entrance road (**Area C**) and import chipped biomass material for weed/grass control.
- Import chipped material and spread around horse area (**Area D**).
- Implement High Fire Hazard Area Defensible Space Requirements as needed throughout park area.

Mission Park

- Implement 100 foot vegetation management buffer throughout northeast and east portion of parcel 025-272-02 (undeveloped park area only) to allow for increased fire safety to fire personnel and residence.
- Implement 50 foot vegetation management buffer along east portion of parcel 025-272-001 (undeveloped park area only) to allow for increased fire safety to fire personnel and residence.
- Chipped material should be spread for grass and weed control and reduce potential for spontaneous combustion. Import additional chipped material as necessary.
- Grass and weeds will need annual weed-whipping or mowing unless chipped biomass material is used.

Reservoir #3

- Insure that vegetation road clearance meets Fire Department’s High Fire Hazard Area Defensible Space Requirements.
- Remove dead vegetation throughout parcel.

Rocky Nook Pump Station

- Implement vegetation management throughout the Rocky Nook Pump Station.

Sheffield Pump Station

- Implement vegetation management throughout the Sheffield Pump Station.

Equestrian Circle/ Mission Park Area

City Parcel Information			Proposed Vegetation Management Method				
APN #	Park Or Facility	Acres	Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
23-240-10	Equestrian Circle	5.46	x				
25-272-01	Mission Park	8.24	x				
25-273-02	Mission Park	2.00	x				
23-240-13	Sheffield Pump Station	<1	x				
25-140-03	Reservoir #2	<1	x				
25-273-01	Reservoir #3	<1	x				
23-240-02	Rocky Nook Pump Station	<1	x				

PARMA PARK AREA

Parma Park (See enclosed map of Open Space)

- **Area A** - Thin and remove chaparral and limb trees 75 feet on each side of the access road through the middle of the open space. Focus of work will be to remove of ladder fuels and dead vegetation. Grasses in this area will be mowed or weed whipped annually.
- **Area B** – Thin and remove 1/3 to ½ of the vegetation along open space boundary. Width of vegetation management in this area will be 100 to 200 feet from the open space boundary. Focus of work will be removal of ladder fuels and dead vegetation.. Grasses in this area will be mowed or weed whipped annually.
- **Area C** - Thin and remove 1/2 of the chaparral to create a vegetation management buffer along the eastern boundary of the Open Space. Chaparral will be removed in a mosaic pattern clusters and feathered to protect visual quality of the area.
- **Area D** - Thin and remove 1/2 of the chaparral along the open space boundary.
- **Area E** - Remove 50 percent of the understory chaparral in oak woodland in northwest area of the open space. Prune out dead material, limb oak trees up to 6 feet oak branches. Remove ladder fuels.
- **Area F** - Thin and remove understory vegetation in olive orchard. Prune out dead material, limb trees up six feet off the ground, chip and scatter chips on site not more than 12 inches in depth. Mow or weed-whip grass areas under trees annually.
- **Area G** - Thin and remove understory vegetation in eucalyptus grove along upper Parma Road. Limb eucalyptus trees 12 feet from the ground. Remove some mature eucalyptus trees to obtain a ratio of 12 to 18 trees per 1,000 square feet of area.
- **Area H** – Implement vegetation management 100 feet on each side of the access road through the middle of the open space. The focus of work will be removal of chaparral in a mosaic pattern and feathered to protect visual quality of the area. Mow grasses within 50 feet of the road annually.
- **Area I** – Implement vegetation management 50 feet on each side of the access road on the east side of the open space. The focus of work will be in a mosaic pattern and feathered to protect visual quality of the area. Mow grasses within 20 feet on each side of the road annually
- **Access Road** - A fire access road that starts at the main entrance off of Stanwood Dr. and runs in a northeast direction to the top of the ridge and then goes downhill in a southeasterly direction will be maintained. The effectiveness of the fuelbreak in the Open Space is dependant on the ability of fire personnel being able to access the fuelbreak area. The lower portion of the fire access road along the east end of the open space was washed out during the winter of 1999. This portion of the road allowed fire resources to safely exit the park to Stanwood road. The project proposes to open up the lower portion of the road to maintain this safety route. This portion of the road will require construction of a new road to connect with the Southern CA Edison that exits onto Stanwood Road. This will allow a safe exit for fire resources.
- Implement thinning, limbing, and pruning along parcel 019-031-002.
- Implement 150 foot vegetation management buffer along southeast corner of parcel 021-130-002. Allow property owners to complete Fire Department Defensible Space Requirements on Parma Park porperty within parcel 021-130-002.

Fire Station 7

- Implement vegetation management throughout parcel 021-120-012 (area around Fire Station 7).
- Restore parcel 021-120-012 to native oak woodland by eradicating scotchbroom and other non-native plants and reseed with native perennial grasses.

Sheffield Reservoir

- Mow or weed whip weed as needed throughout reservoir area.
- This area will become an open space. Specific vegetation management actions are outlined as part of the Sheffield Reservoir Project Plan .

Parma Park Area

APN	PARK OR FACILITY	ACRES	Hand Cutting & Chipping	Hand Cutting & Multicutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
21-050-13	Parma Park	40.00	x	x	x	x	x
21-120-04	Parma Park	<1	x	x			x
21-120-05	Parma Park	57.41	x	x	x	x	x
21-120-06	Parma Park	27.70	x	x	x	x	x
21-120-07	Parma Park	<1	x	x			x
21-120-08	Parma Park	<1	x	x			x
21-130-01	Parma Park	39.45	x	x	x	x	x
21-130-02	Parma Park	30.00	x	x	x	x	x
21-130-03	Parma Park	4.30	x	x			
21-130-04	Parma Park	<1	x	x			
21-120-11	Sheffield Reservoir	23.24	x				
21-120-12	Fire Station 7		x	x	x	x	x

HONDA VALLEY / THORNBERRY PARK AREA

Honda Valley Park (See enclosed map of park)

- Implement vegetation management treatment 100 feet around the entire perimeter (**Area A**) of both parks. This involves pruning out all dead material, partially thinning clusters of brush, limbing up (6 feet from the ground) large bushes and trees, chipping or multi-cutting and scattering cut biomass on-site.
- Reduce the amount of non-native vegetation within the riparian zone (**Area B**). Trim up eucalyptus, prune out dead material, chip and scatter chips on site. Keep chipped material out of the water course.
- Import and spread chipped biomass material along the canyon bottom riparian zone (**Area C**) for erosion control and weed abatement.
- Maintain fire access road, with locked gate, for fire protection and park access.
- Mow or weed whip grass area to maintain a low fuel volume vegetation zone along a key ridgetop, in (**Area D**).
- City Parks and Recreation and Fire Department staff should work with private landowners to encourage their participation in defensible space landscaping on their private property along the park boundaries (**Area F**).

Vic Trace Reservoir

- Continue moving of grass/weeds at this site and import chipped biomass for future weed control.
- Implement vegetation management treatment 30 feet around the entire perimeter (**Area A**) of reservoir as needed. This involves pruning out all dead material, partially thinning clusters of brush, limbing up (6 feet from the ground) large bushes and trees. Vegetation should be chipped and scattered on-site.

Honda Valley / Thornberry Park Area

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
35-033-13	Vic Trace Resv.	14.99	x				
35-040-14	Thornberry	7.43	x	x			x
35-040-19	Thornberry	17.25	x	x			x
- 21	Thornberry	3.40	x	x			x
35-040-28	Honda Valley	20.3	x	x			x

GOULD PARK

Gould Park

- Implement vegetation management treatment to provide defensible space for firefighting apparatus and personnel in addition to reducing the risk from ignitions along Mountain Drive. Vegetation management treatment will extend 100 feet to each side of Mountain Drive when allowed by park boundary. Treatment will use cutting and chipping or cutting and multi-cutting methods.
- Implement vegetation management treatment 50 feet on each side of Cold Spring Creek trail for 1,000 feet. Treatment will use cutting and multi-cutting methods.
- Continue grass and weed control along Mountain Drive and Cold Springs Trail.

Gould Park

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
11-010-02	Gould Park	111.0	x	x	x		x
13-040-14	Gould Park	<1	x	x	x		x
151-180-15	Gould Park	255.9	x	x	x		x

TUNNEL RESERVOIR AREA

Tunnel Reservoir

- Implement vegetation management treatment to provide defensible space for firefighting apparatus and personnel in addition to reducing the risk from ignitions along Tunnel Road/Trail from the road at the end of Tunnel Road to just past the South Portal Water Resource facility for a distance 50 feet on each side of the road.
- Implement vegetation management around Tunnel Reservoir for a distance of 50 feet around reservoir.
- Complete vegetation road clearance for a distance of 10 feet on each side of the dirt road from South Portal Water Resource area, running northeast to the end of City property to ensure firefighter equipment access.
- Complete vegetation management within entire portions of parcels 23-060-48 and 23-060-49 to reduce fuel loading.

- Complete grass and weed control along Tunnel Road/Trail from the road at the end of Tunnel Road to just past the South Portal Water Resource facility (approximately 1 mile) for a distance 10 feet on each side of the road.
- Ensure vegetation clearance around power line poles that provide electrical power to South Portal meet high fire hazard clearance requirements per 2001 California Fire Code, Appendix IIA, Section 15.

Tunnel Reservoir Area

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
23-330-45	Tunnel Reservoir-	<1	x	x			x
153-270-09	Tunnel Reservoir	294.99	x	x			x
23-060-48	Las Canoas/ Mission Cyn Rd.	<1	x	x			x
23-060-49	Las Canoas/ Mission Cyn. Rd	<1	x	x			x

RATTLESNAKE CANYON AREA

Rattlesnake Park

- Implement vegetation management treatment to provide defensible space for firefighting apparatus and personnel in addition to reducing the risk from ignitions along Gibraltar Road. Treatment should extend 100 feet on each side of Gibraltar Road or to park boundary.
- Implement vegetation management treatment 50 feet on each side of Rattlesnake Canyon trail in parcels 21-010-25, 21-020-01, and 153-280-01.
- Continue grass and weed control along Gibraltar Road, Las Canoas Road and any accessible areas along Rattlesnake Trail.

Rattlesnake Canyon Area

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
21-010-25	Rattlesnake Canyon.	60.14	x	x	x		x
21-020-01	Rattlesnake Canyon	65.85	x	x	x		x
153-270-15	Rattlesnake Canyon	82.10	x	x	x		x
153-280-01	Rattlesnake Canyon	243.33	x	x	x		x
21-020-02	Skofield Reservoir	<1	x				

STEVENS PARK / CATER WATER TREATMENT FACILITY/ LAUREL RESERVOIR AREA

Stevens Park

- Implement vegetation management treatment 100 feet along the western perimeter of parcel 55-153-13.

- Implement vegetation management treatment 50 feet around the perimeter of parcel 53-032-01, which includes the developed park site.
- Implement vegetation management outside creek area within parcel 055-160-048.
- Continue mowing, weed whipping and weed control along trial, roads, within meadow, and as needed throughout park.

Cater Water Treatment Facility

- Implement vegetation management treatment behind Cater water treatment facility within 100 ft along site perimeter.
- Continue grass and weed control throughout reservoir parcels.

Laurel Reservoir

- Implement vegetation management perimeter treatment around Laurel Canyon Park for a distance of 100 feet. Treatment methods include cutting and chipping and cutting and multi-cutting. Chips will be scattered on site.
- Continue grass and weed control throughout Laurel Canyon Park and along Laurel Canyon Road.

La Vista Reservoir

- Continue grass and weed control throughout reservoir parcels.

Stevens Park / Cater Water Treatment Facility/ Laurel Reservoir Area

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
55-112-04	La Vista Resv.	1.0	x				
55-112-05	La Vista Resv.	1.0	x				
55-160-12	Laurel Cyn Rd	6.17	x				
55-153-13	Stevens Park	3.80	x	x			x
53-032-01	Stevens Park	8.0	x	x			x
55-160-36	Stevens Park	1.13	x	x	x		x
55-160-17	Stevens Park	0.78	x	x	x		x
55-160-25	Stevens Park	13.8	x	x	x		x
55-160-48	Stevens Park	3.8	x	x	x		x
55-171-07	Cater Facility	12.54	x	x			x
55-172-29	Cater Facility	0.03	x				
55-172-30	Cater Facility	0.20	x				
55-172-31	Cater Facility	0.28	x				

HALE PARK AREA

Hale Park

- Implement vegetation management treatment along southwestern perimeter for a distance of 100 feet from the park boundary. Additional clearance due to steepness of slope should be the responsibility of private landowners. Opportunity exists for coordinated effort between private property owners and City.

- Implement 50 foot vegetation management buffer around perimeter of park, with exception of 100 feet along southwest perimeter.
- Reduce the amount of fuel in brush ravine by implementing vegetation management treatment by using the cut and chip method. Maintain green fuels in natural state. Tie work into mowed areas, perimeter, and eucalyptus vegetation management areas.
- Thin, limb and prune eucalyptus areas throughout the park to 10 to 16 trees per 1,000 feet.
- Continue annual grass control by mowing or weed whipping throughout the park.

Reservoir 1

- Implement vegetation management treatment along perimeter of reservoir for a distance of 50 to 100 feet around perimeter.
- Continue annual grass control by mowing or weed whipping throughout reservoir area.

Hale Park Area

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
13-193-04	Hale Park	<1	x	x			x
15-050-02	Hale Park	13.04	x	x	x		x
15-060-17	Hale Park	0.17	x	x			x
13-202-04	East Reservoir	1.24					
15-010-04	Reservoir 1	2.50	x	x			x

HIDDEN VALLEY

Hidden Valley

- Continue vegetation management treatment along perimeter slopes 50 feet from the park boundary adjacent to homes (parcel 049-040-034), except in the riparian zone. Leave riparian zone in natural state.
- Implement vegetation management treatment throughout parcel 049-030-035 and 049-330-013.
- Limb up eucalyptus branches, prune behind pump station, chip biomass and spread chips along trails, roads for grass/weed control.
- Continue to maintain grass area.

Hidden Valley

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
049-030-35	Hidden Valley	3.39	x	x			x
049-040 34	Hidden Valley	9.57	x	x			x
049-330-13	Hidden Valley	0.631	x	x			x

SKOFIELD PARK

Skofield Park

- Continue vegetation management treatment to provide defensible space for firefighting apparatus and personnel in addition to reducing the risk from ignitions along Las Canoas road. Treatment to extend 150 feet below Las Canoas road.
- Implement 100 foot vegetation management buffer along the south portions of parcels 021-071-001, 021-040-024, and 021-030-007.
- Implement vegetation management treatment 50 feet on each side of primary trails through parcel 021-040-024.

El Cielito Reservoir

- Continue vegetation management treatment throughout parcel.
- Continue grass and weed control throughout parcel.

Skofield Park Area

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
21-030-06	Skofield Park	2.36	x	x	x		x
21-030-07	Skofield Park	2.55	x	x	x		x
21-040-24	Skofield Park	29.09	x	x	x	x	x
21-071-01	Skofield Park	<1	x	x	x		x
21-040-28	El Cielito Res.	1.73	x	x	x		x

**Vegetation management treatment in this area offers an opportunity to develop a community fuels treatment network throughout residential and orchard areas and Rattlesnake Canyon.

SLYVAN PARK /LOMA MEDIA

Loma Media Park

- Implement 50 foot vegetation management buffer along southern perimeter of Loma Media Park.
- Continue weed control and brush thinning on eastern perimeter of park.
- Continue grass and weed control throughout park.

Slyvan Park

- Implement 70 foot vegetation management buffer on the western perimeter of parcel 019-201-005.
- Continue weed control and brush thinning on western perimeter of park.
- Continue grass and weed control throughout park.

Slyvan Park /Loma Media

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
19-201-05	Slyvan Park	0.74	x				
19-201-06	Slyvan Park	0.02	x				
19-253-01	Loma Media Park	0.38	x				
19-300-01	Loma Media Park	0.28	x				

FRANCESCHI PARK

Upper Franceschi Park

- Implement vegetation management treatment throughout parcel 19-101-18.
- Parcels 019-090-006, 019-090-007, 019-090-008, and 019-090-009 together from the western area of Upper Franceschi. Implement Fire Department Defensible Space requirements around the perimeter of the western area made up of the 4 parcels.
- Implement vegetation management and weed whipping where feasible throughout parcel 019-101-008.
- Implement vegetation management throughout parcel 019-101-009. Fire Department Defensible Space Requirements must be met for the existing structures on the property.

Lower Franceschi Park

Implement vegetation management treatment a minimum of 75 to 100 feet on the south and east perimeter of parcel 019-103-001 and 100 feet on the south and west perimeter of parcel 019-191-006 and areas along Mission Ridge Road.

Franceschi Park

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
19-090-06	Franceschi Park	<1	x				
19-090-07	Franceschi Park	<1	x				
19-090-08	Franceschi Park	<1	x				
19-090-09	Franceschi Park	<1	x				
19-101-08	Franceschi Park	<1.	x				
19-101-09	Franceschi Park	6.49	x				
19-101-18	Franceschi Park	3.58	x				
19-103-01	Franceschi Park	4.19	x	x			x
19-103-22	Franceschi Park	<1	x				
19-191-06	Franceschi Park	<1	x	x			x

COASTAL CITY AREAS

Escondido Reservoir

- Implement vegetation management treatment throughout reservoir area.

Cliff Drive Lift Station

- Implement vegetation management treatment throughout parcel.

Hope Reservoir Booster Station

- Implement vegetation management treatment throughout reservoir area.

Coastal City Areas

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
41-140-03	Escondido	7.52	x				
41-272-02	Cliff Wastewater	<1	x				
47-081-02	Hope Booster Station	1.58	x				

LAS POSITAS AREA

Ellings Park (City owned however managed by Ellings Park Foundation)

- Implement 50 foot vegetation management buffer on the northern portion of parcel 047-010-034 (to protect homes at the end of Live Oak Lane).
- Implement 50 foot vegetation management buffer on the west, north, and east portions of parcel 049-150-050.
- Implement 50 foot vegetation management buffer on the east portion of 047-010-049 (to protect homes at the end of Valerio, Calle Linares, Calle Galicia, and Calle Almonte).

601 Las Positas Road

- Within parcel 047-010-009 limb up all dead palm frawns to 20 feet.
- Implement 50 foot vegetation management buffer on the west and south portions of parcel 047-010-009.

Campanil Hills Booster Station

- Continue annual mowing and weed whipping.
- Thin, prune, and trim hedges throughout parcel as needed.

Las Positas Area

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
047-010-034	Ellings Park	83.89	x				
049-150-050	Ellings Park	7.66	x				
047-010-049	Ellings Park	130.3	x				
047-010-009	601 Las Positas Rd.	5.89	x				
047-102-017	Campanil Hills Booster Station.	0.47	x				

OAK PARK/TALLANT ROAD

Oak Park / Tallant Road

- Implement 50 foot buffer along the western portion of Oak Park adjacent to homes along Tallant Road and the Samarkand area. Within the 50 foot buffer thin out any dead fuel, limb up trees 6 feet, and prune out ladder fuels.

Oak Park/Tallant Road

APN	Park Or Facility	Acres	Proposed Vegetation Management Method				
			Hand Cutting & Chipping	Hand Cutting & Multi-cutting	Hand Cutting & Prescribed Burning	Prescribed Burning	Combination of Methods
051-340-001	Oak Park		x				
051-330-002	Oak Park		x				

1993 Vegetative Fuels Management Plan

