

# Canyon Watch Volunteer Guide



## Juniper Canyon

Distance: 1.05 Miles

Hike Time: 1 Hour

Difficulty Level: Easy



## Program Overview

The ocean is one of our greatest natural treasures, yet it is continually threatened by pollutants from sewer spills and storm water run-off.

San Diego, a city that borders the oldest, largest, and deepest ocean in the world, has over 40 urban canyons that hold 300 miles of public sewer lines. Most of these pipelines have unfortunately exceeded their life expectancy and are often inadequately maintained, making them susceptible to damage that can cause harmful spillover into our local



Once a break in the system takes place, untreated wastewater (the stuff that comes from our washing machines, sinks and toilets) may enter a nearby creek, river or storm drain and travel hundreds of miles downstream, eventually pouring into our coastal waters. Here, it spreads, becomes virtually impossible to contain and harms fragile marine life.



To help keep our waters contaminant free and safe for all, the San Diego Oceans Foundation has teamed up with the Metropolitan Wastewater Department's Sewer Spill Reduction Program to enlist citizen volunteers.

Volunteers are crucial to the Canyon Watch Program by regularly monitoring our urban canyons and reporting potential threats.

# What to Look For...

As a Canyon Watch volunteer, you will be responsible for monitoring our local canyons. While patrolling, you should look for leaks, unusual smells and damaged or vandalized manholes. Any findings should be recorded in your 'Canyon Watch Field Report' and submitted online after your hike is completed. **Immediately report any active sewer spills or foamy discharge to the Sewer Emergency Hotline (619) 515-3525.**

## Manholes

Manholes are typically painted lime green for easy identification. Check that all manholes are secured with a locking bar or recessed bolts and that they are clear of vandalism and other damage.



## Unusual Smells

Manholes in proper working order should not emit odors. Foul smells are a sign of possible leaks or spills and should be included in your 'Field Report', but do not warrant a call to the Emergency Sewer Hotline.



## Sewer Leaks & Foamy Discharge

Any sort of foamy discharge or active spill should be reported **immediately** to the Sewer Emergency Hotline! It is crucial to record the number painted on the manhole structure and GPS coordinates, if available, so you can accurately report its location.



## Exposed Sewer Lines

Pipelines should be buried underground. If you come across sewer pipes that have been exposed due to erosion, please let us know. Exposed pipes are more likely to crack and leak and should be reported.



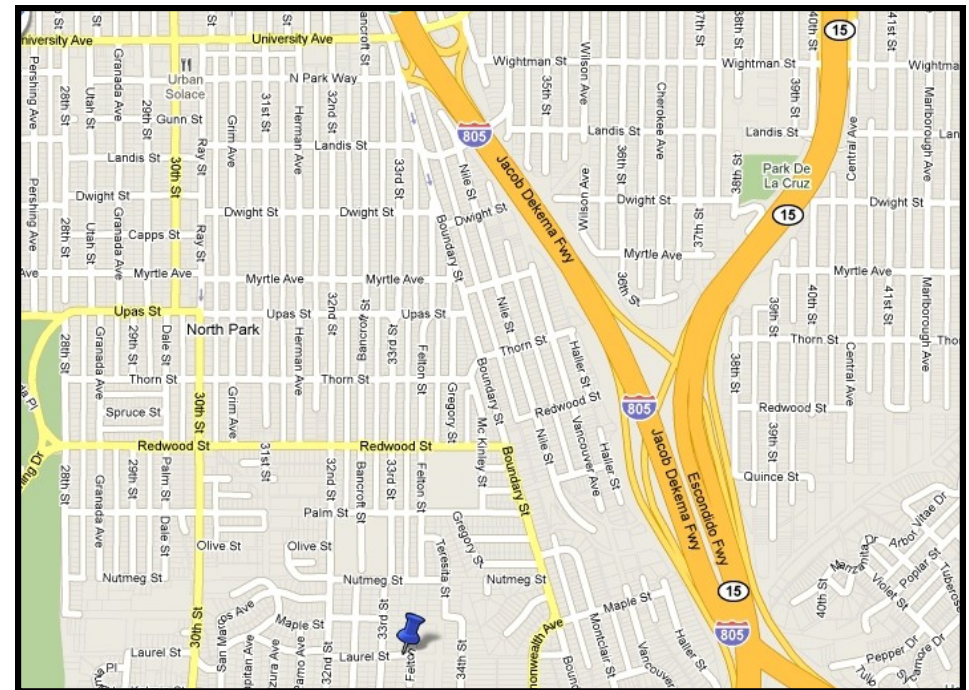
# Juniper Canyon

Laurel and Felton St.  
San Diego, CA 92104

From I-805 S, exit North Park Way and turn left on 33rd St. Continue to Nutmeg and make a right. Make an immediate left to get back on 33rd St and turn left onto Laurel St.

From I-805 N, exit University Ave and head west. Turn left on 32nd St and follow it to Nutmeg. Turn left and then right onto 33rd St. Turn left onto Laurel St.

Look for parking on Laurel and surrounding streets before heading down hill to Felton and trailhead.



Hike includes crossing a busy intersection half way through. Please use extreme caution and make use of cross walks!

# Manhole Guide

The following information will lead you to the various manholes throughout this canyon. Please read the 'Hiking Safety Tips' available at [www.sdoceans.org](http://www.sdoceans.org) before beginning your hike.

Due to vegetation growth and other, unforeseen changes, some manholes may not be immediately visible. If a manhole cannot be reached due to construction or certain environmental hazards, please make a note of it and move on to the next manhole on your list.



1. Manhole #273  
32° 43.90 N 117° 07.33 W

At bottom of the hill, head left to find the first manhole. Continue through bushes to find MH#265 near residences. Turn around and head in the opposite direction to continue.



2. Manhole #274  
32° 43.89 N 117° 07.33 W

Just right of path.



3. Manhole #289  
32° 43.84 N 117° 07.30 W

Just left of path.



4. Manhole #155  
32° 43.78 N 117° 07.28 W

Trail comes to a T. Before heading right, find MH #155 straight ahead (on hill).



5. Manhole #391  
32° 43.79 N 117° 07.30 W

As you head right from 'T', you'll find MH directly on trail.



6. Manhole #288  
32° 43.80 N 117° 07.35 W

Just left of path.



7. Manhole # 287  
32° 43.84 N 117° 07.39 W

Continue on path through bushes and up hill. MH will be on your left (after a few twists and turns). Head back to T and follow path up hill to the road.



8. Manhole #261  
32° 43.72 N, 117° 07.28 W

Cross the street (**using extreme caution**) and enter new trail head. Look for foot path on the left. Follow left, around bushes to find MH. Head back to trail to continue.



9. Manhole #157  
32° 43.69 N, 117° 07.28 W

Left of path, slightly hidden by ground.



10. Manhole #479  
32° 43.64 N 117° 07.27 W

Just right of path, behind brush.



15. Manhole #243  
32° 43.62 N 117° 07.19 W

MH on left hillside. Backtrack to Juniper St, cross street to trail and head right.



11. Manhole #480  
32° 43.63 N 117° 07.26 W

Right of path. Continue on left path, up hill to MH #481.



16. Manhole #290  
32° 43.81 N 117° 07.26 W

Left side of trail.



12. Manhole #481  
32° 43.60 N 117° 07.24 W

5 ft right of path (behind cactus). Continue left of 'Private Property' sign to find new path.



17. Manhole #300  
32° 43.84 N 117° 07.23 W

Just left of trail, alongside fence.



13. Manhole #485  
32° 43.59 N 117° 07.19 W

12 ft right of path. At 3-way intersection, make hard right to MH #488.



18. Manhole #299  
32° 43.87 N 117° 07.20 W

Right of path. Continue on trail to next MH.



14. Manhole #488  
32° 43.60 N 117° 07.16 W

MH on path, next to fence. Head back to intersection and head right to continue on path.



19. Manhole #304  
32° 43.91 N 117° 07.20 W

5 ft right of path. Next four manholes are visible as you continue on path.



20. Manhole #311  
32° 43.95 N 117° 07.22 W

Left of path.



21. Manhole #312  
32° 43.96 N 117° 07.22 W

Left of path.



22. Manhole #314  
32° 43.96 N 117° 07.22 W

Left of path



23. Manhole #315  
32° 43.99 N 117° 07.23 W

Right of path.



24. Manhole #338  
32° 44.01 N 117° 07.24 W

Right of path, at dead end.  
Head back.



25. Manhole #313  
32° 43.96 N 117° 07.23 W

Up hill to the right (just past fenced yard).

*\*Optional MH. Please be courteous to neighbors, as it is near a residence.*

