

★ PLAYA RESTORATION ★



DPW

2017 BLACK ROCK CITY MOOP FEEDBACK

TODAY WE'RE GONNA TALK ABOUT

MOOP

A WORD IN BURNER CULTURE THAT STANDS FOR...

**MATTER
OUT OF
PLACE**

**MOOP IS ANYTHING
AND EVERYTHING
THAT ISN'T NATIVE
TO THE IMMEDIATE
ENVIRONMENT.**

**OUR ENVIRONMENT
IS “THE PLAYA” AKA THE
BLACK ROCK DESERT
WHICH MEANS
SIMPLY THAT...**

MOOP

IS

EVERYTHING.

**LEAVE
NOTHING.**

TOP 10

MOOP

COUNTDOWN

10. FIREWORKS DEBRIS



9. CIGARETTE BUTTS



8. GLASS DEBRIS



7. CARPET



CARPET • ARTIFICIAL GRASS • FABRIC

7. ARTIFICIAL GRASS

CARPET • ARTIFICIAL GRASS • FABRIC

6. CARDBOARD/ PAPER



5. HAZARDOUS SPILLS



4. TENT STAKES



3. METAL DEBRIS

A large pile of metal debris, including screws, bolts, nuts, and fasteners, scattered on a dark surface. The debris is densely packed and includes various types of hardware, such as Phillips and flat-head screws, hex bolts, and nuts. The lighting is dramatic, highlighting the metallic textures and the chaotic arrangement of the pieces.

SCREWS • FASTENERS • NUTS • BOLTS

A close-up photograph of a hand holding a bundle of plastic debris. The hand is wearing a light-colored, textured glove. The debris consists of numerous white and black zip-ties and long, thin strips of plastic. The background is a dry, cracked, and textured surface, likely soil or sand. The text "2. PLASTIC DEBRIS" is overlaid in large, bold, red letters across the top of the image.

2. PLASTIC DEBRIS

ZIP-TIES • PLASTIC BAGS • PACKAGING

1. WOOD DEBRIS



CONSTRUCTION DEBRIS • FIREWOOD

WOOD CHIPS

The background of the image shows a grey, textured surface, possibly concrete or stone, with numerous small, light-brown particles of sawdust scattered across it. The particles are most concentrated in the center and lower right areas, creating a speckled appearance.

SAWDUST

WHY?

CONSTRUCTION

**SAWING
LUMBER**

BURNING

FIREWOOD

**WOOD
IS
MOOP.**



WOOD IS MOOP



WOOD IS MOOP

A red plastic bucket is shown from a top-down perspective, resting on a light-colored concrete surface. The bucket is partially filled with a pile of light-colored wood shavings or mulch. The shavings are irregular in shape and size, with some thin, needle-like pieces and some larger, flatter fragments. The bucket's interior is a bright red color, and the concrete surface is visible around the edges of the bucket. The lighting is bright, casting a shadow of the bucket onto the concrete to the right.

WOOD IS MOOP

**WOOD
IS MOOP.
PICK IT UP.**

A stack of firewood is shown on a wooden pallet. The top portion of the stack is covered with a white tarp, while the base of the pallet is covered with a blue tarp. The background is a blurred outdoor setting with a building and a vehicle.

**USE A TARP
FOR FIREWOOD
STORAGE AND
CUTTING AREAS**

A photograph of a stack of firewood on a wooden pallet, covered with a blue tarp. The text is overlaid in white, bold, sans-serif font. The background is slightly blurred, showing what appears to be a parking lot or a storage area with other vehicles.

**CLEAN THE TARP
EARLY AND OFTEN
EVERY DAY
BEFORE DUST
BURIES YOUR MOOP**

BECAUSE...



**DUST STORMS
ARE COMING
TO BURY
YOUR MOOP**



THIS IS RESTO'S MOOP PUB CRAWL

THEY EITHER DON'T KNOW OR DON'T CARE THAT DUST STORMS ARE COMING



THIS IS 9 MINUTES LATER

STILL CLEANING UP MOOP THOUGH:)



**KEEP YOUR CAMP
CLEAN AS YOU GO
BECAUSE...**



**DUST STORMS ARE
COMING TO BURY
YOUR MOOP!**



An aerial photograph of a vast desert landscape. The foreground and middle ground are dominated by numerous sand dunes with distinct, rhythmic ripples. A dark-colored SUV is driving across the dunes in the distance, kicking up a cloud of dust. Several orange traffic cones are placed on the sand, likely marking a course or boundary. In the far background, a range of rugged, brown mountains stretches across the horizon under a clear, pale blue sky.

DUNES BURY MOOP

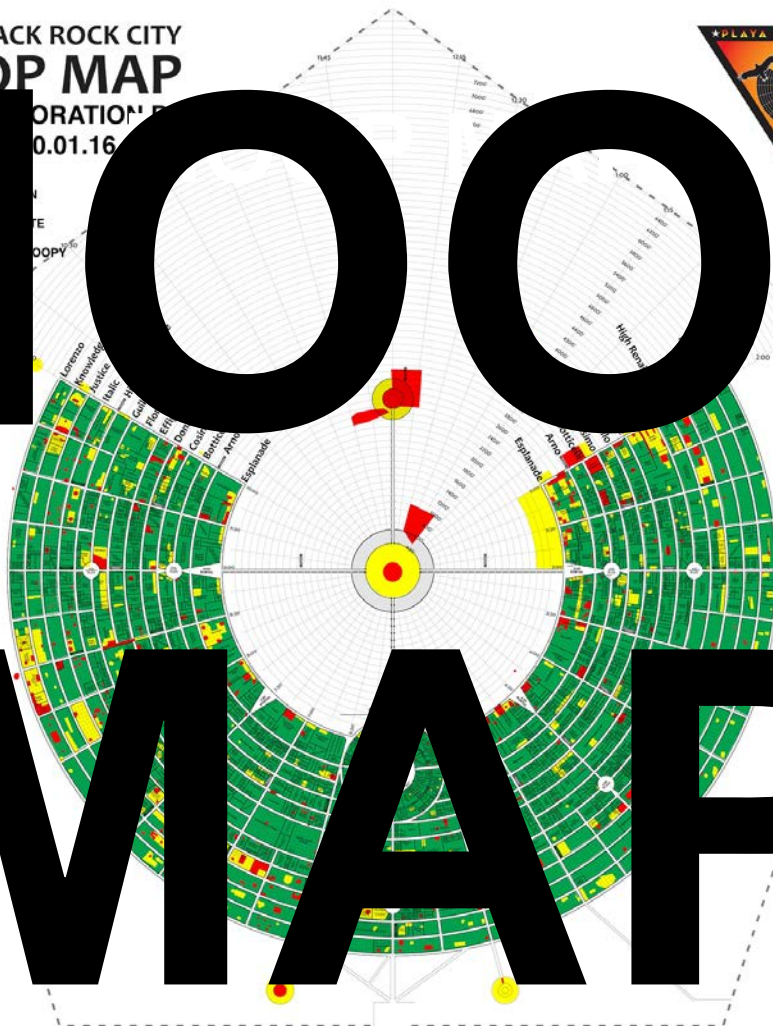
MOVING ON

2016 BLACK ROCK CITY
MOOP MAP
PLAYA RESTORATION P
SAT 01.16



MOOP

- QU...
- ST...
- ...

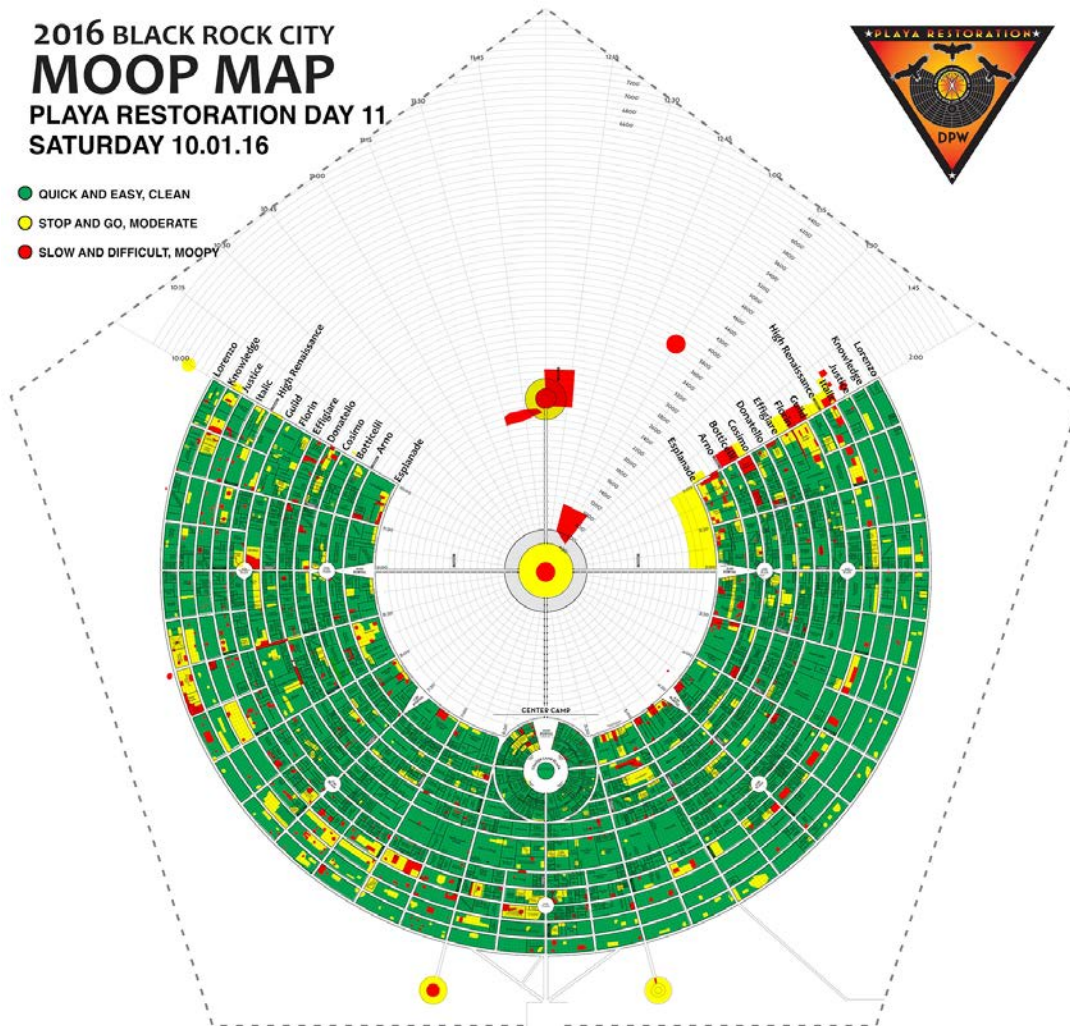


MAP

2016 BLACK ROCK CITY
MOOP MAP
PLAYA RESTORATION DAY 11
SATURDAY 10.01.16



- QUICK AND EASY, CLEAN
- STOP AND GO, MODERATE
- SLOW AND DIFFICULT, MOOPY



Camp Placement Changes Updated

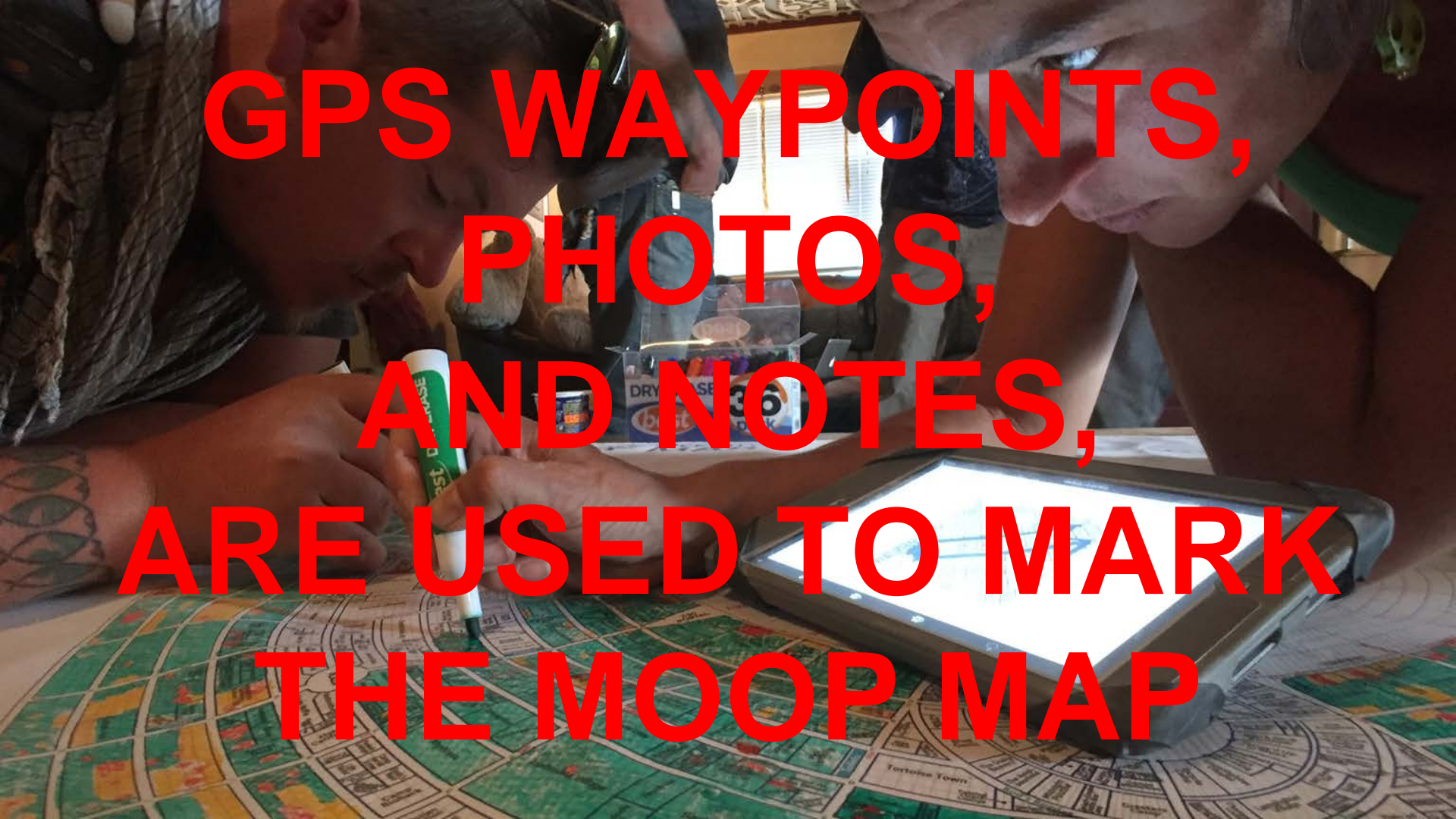
**THE MOOP MAP
TRACKS THE SPEED
OF OUR CLEANUP.**



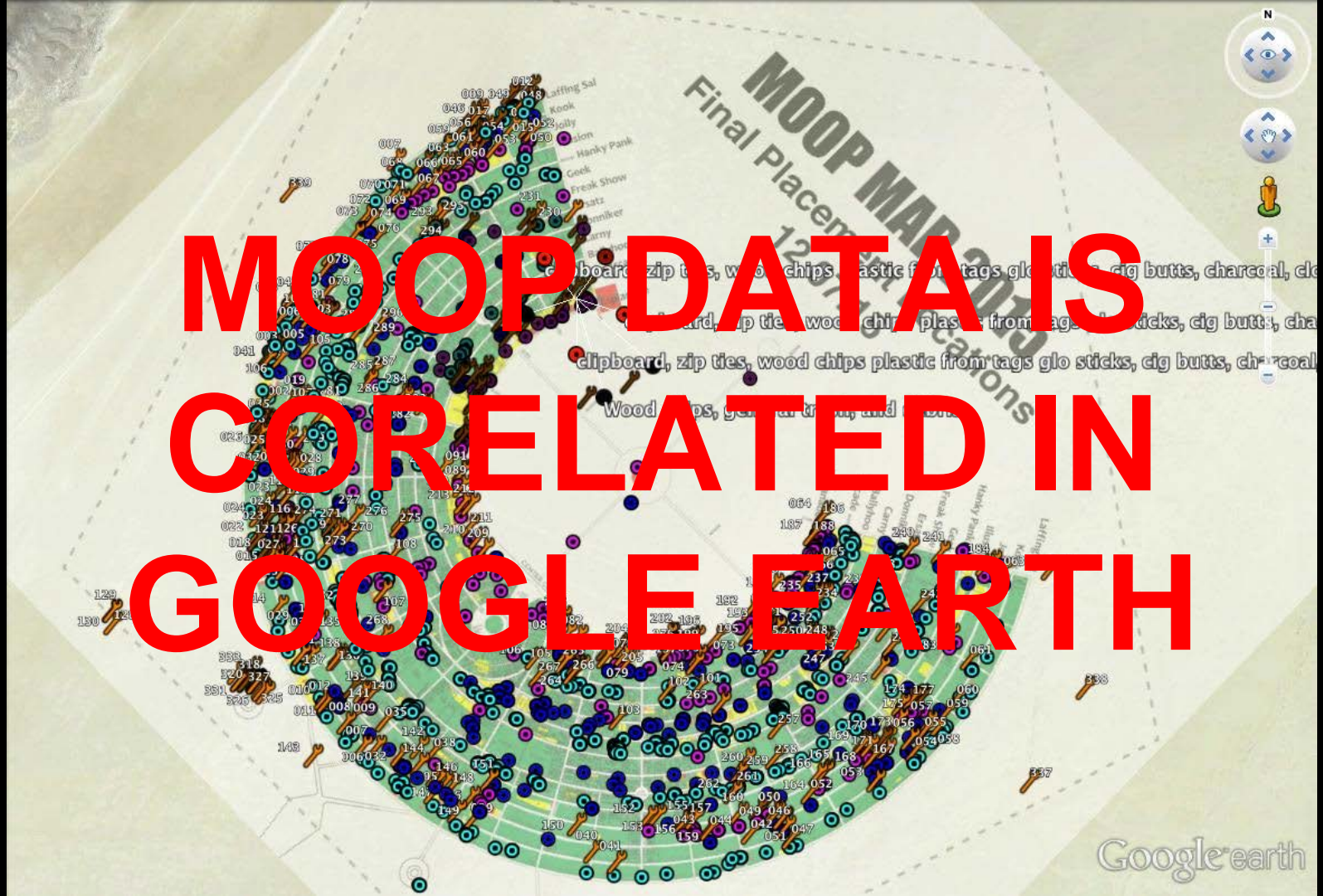
A group of people are in a desert landscape, likely participating in a field study or data collection project. In the foreground, a man in a plaid shirt and a cap is looking at a tablet computer. Behind him, a woman in a dark tank top and a hat is holding a water bottle. Other people are visible in the background, some using surveying equipment. The text is overlaid in large, bold, red letters.

**MOOP MAP DATA
IS RECORDED
WITH GPS,
CAMERAS, IPADS**

**GPS WAYPOINTS,
PHOTOS,
AND NOTES,
ARE USED TO MARK
THE MOOP MAP**



MOOP DATA IS CORRELATED IN GOOGLE EARTH





**MOOP MAP IS
USED DAILY TO
INFORM OUR
PRIORITIES
AND STRATEGY**

THE BLM SITE INSPECTION

**BURNING MAN
CLEANUP OPERATIONS ARE
CONCLUDED WITH THE
BLM SITE INSPECTION
1 MONTH AFTER THE BURN.**



**THE BLM SITE INSPECTION
IS COMPRISED OF
60 RANDOM GENERATED
GPS TEST POINTS
DIVIDED INTO 4 TEST AREAS.**

**THE ALLOWABLE
MOOP STANDARD IS**

**1 square foot per acre
(1ft²/ac.)**

**Black Rock City is
3,603
Square Acres**

OR

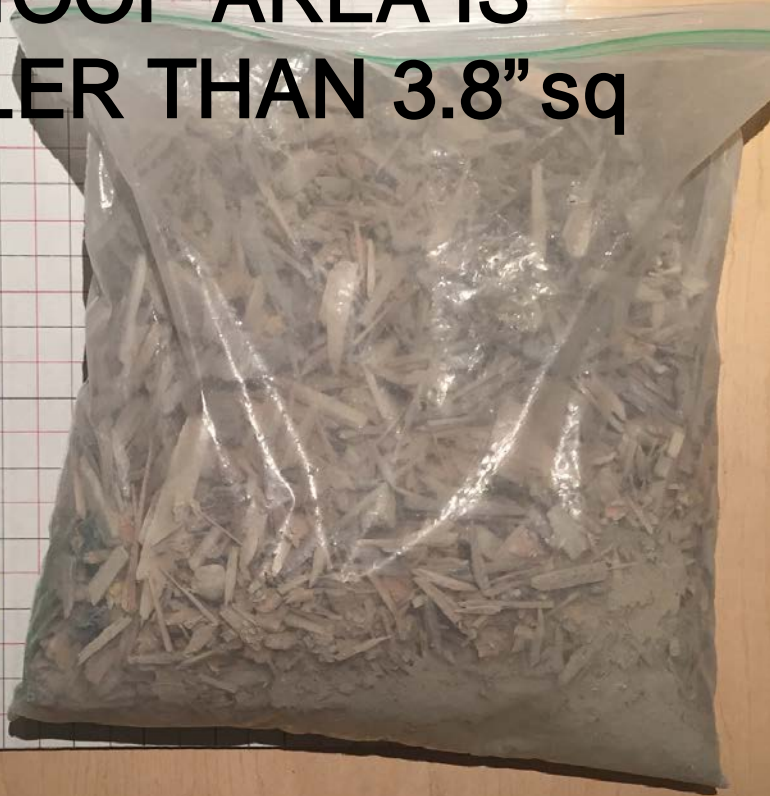
**156 Million
Square Feet**

**SIMPLIFYING FOR THE
INSPECTION, EACH
TEST POINT IS
1/10th OF AN ACRE IN SIZE.**

**THE ALLOWABLE MOOP
IN A 1/10th OF AN ACRE
AREA IS 3.8"sq.**

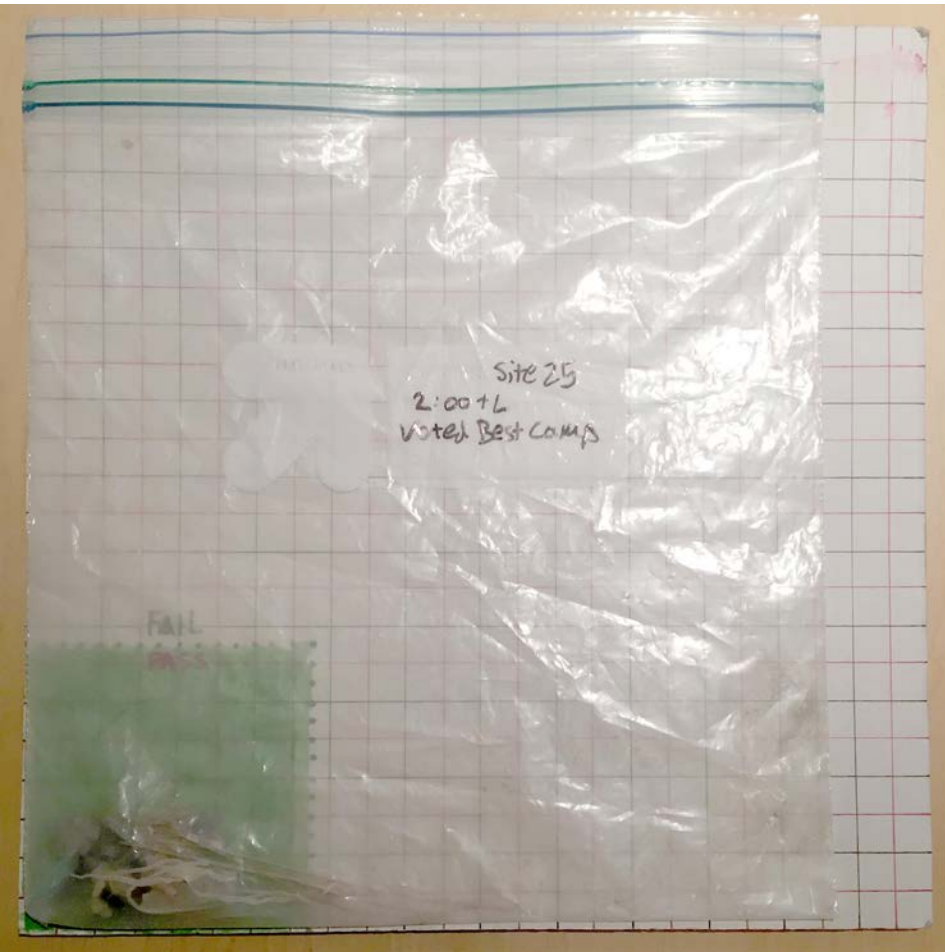
**THE MOOP RESULTS ARE
EXTRAPOLATED TO
DETERMINE THE AMOUNT
RELATIVE TO THE
1ft²/ac. STANDARD.**

**TEST POINT PASSES
IF MOOP AREA IS
SMALLER THAN 3.8" sq**



MOOP < 3.8" sq = PASS

MOOP > 3.8" sq = FAIL



**VOTED BEST CAMP
LOCATION: 2:00 & L**

MOOP < 3.8" sq = PASS



**SOME ART PROJECT
LOCATION: OPEN PLAYA**

MOOP > 3.8" sq = FAIL

**SO, HOW
DID BRC DO
IN 2016?**

**OVERALL,
BLACK ROCK
CITY PASSED.**

HOWEVER

MOOP

IS ON

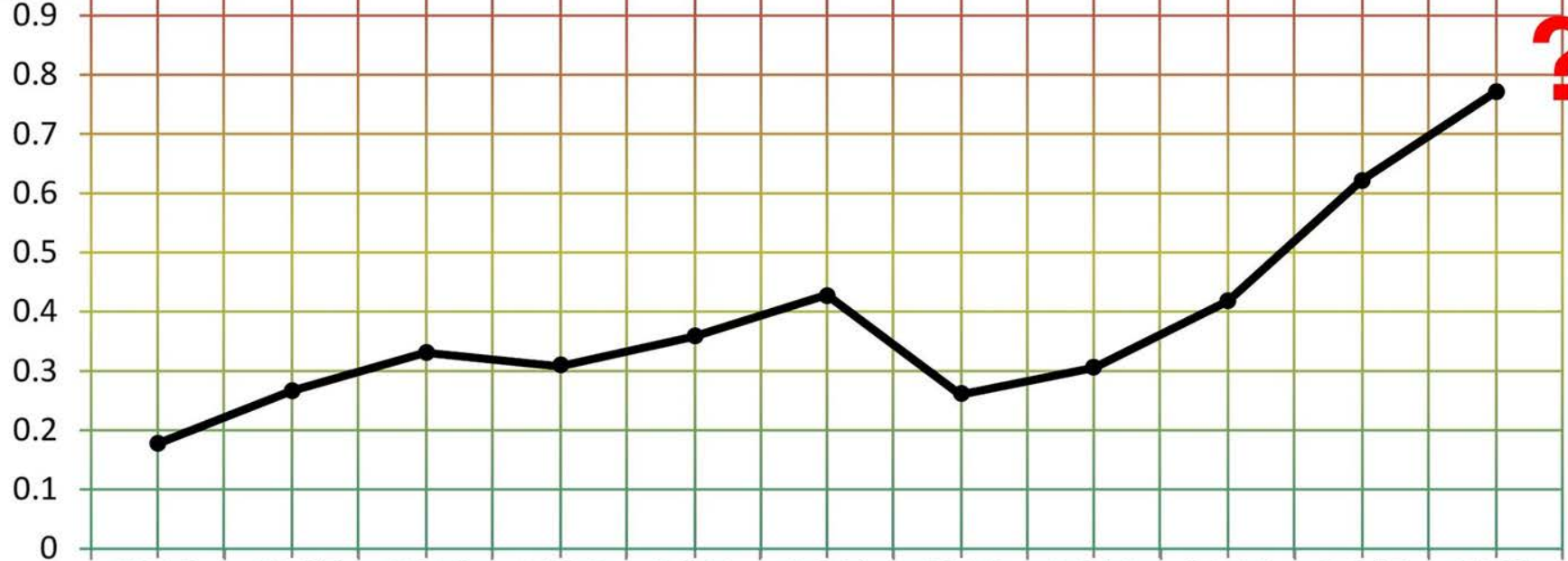
THE RISE.

MOOP TREND BY YEAR AND POPULATION

1.0 FAIL

1.0 FAIL

PASS



2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
38,989	47,097	49,599	43,558	51,525	53,963	56,149	69,613	65,922	67,564	66,948

**STOP
MOOP
NOW.**

**HERE'S HOW
WE DO IT.**



**MAKE
LEAVE NO
TRACE # 1**



**SHOW SOME
TEAM SPIRIT
AND BE VIGILANT
AGAINST MOOP.**



BUDGET FOR TOOLS

SUCH AS...

LANDSCAPE RAKES



TRASH CANS



A photograph of three construction workers in a desert environment. The worker on the left is using a broom to sweep the ground. The worker in the center is holding a shovel. The worker on the right is using a shovel to dig into the dirt. In the background, there is a truck, orange traffic cones, and a red bucket. The text 'SHOVELS AND BROOMS' is overlaid in large, bold, yellow letters across the center of the image.

SHOVELS AND BROOMS

A woman wearing a green sleeveless shirt and sunglasses stands next to a yellow vehicle. On top of the vehicle is a large, cylindrical object covered in dark, tangled material, possibly debris or a magnet. The background shows a clear blue sky and a sandy or light-colored ground. The text "MAGNET SWEEPER" is overlaid in large, bold, yellow letters across the center of the image.

MAGNET SWEEPER

MOOP STICKS

(aka PICK-UP TOOL OR GRABBER TOOL)





**MOOP
BUCKETS**

A pair of blue-handled vise grips is shown pulling a metal rebar through a hole in a wooden plank. The rebar is being pulled from the right side of the plank towards the left. The vise grips are positioned over the hole, with one handle on the left and the other on the right. The rebar is being pulled through the hole, and the vise grips are holding it in place. The background is a gravel surface.

WISE GRIPS

(TO PULL OUR REBAR AND TENT STAKES)

**MOOP SWEEP
YOUR CAMP
BEFORE, DURING,
AND AFTER
THE EVENT**

A group of people are participating in a Moop Sweep activity in a desert campsite. The scene is set in a vast, open, arid landscape under a clear blue sky. In the foreground, a man in a black t-shirt and red pants is walking towards the camera. To his right, a woman in a green tank top and shorts is walking away. Further back, several other people are visible, some holding bags and others standing. The ground is dry and dusty, with some scattered debris. In the background, there are several tents and vehicles, indicating a campsite. The overall atmosphere is one of a community cleanup event in a natural setting.

THE MORE THE MERRIER



**RAKE THE
HELL OUT OF
YOUR CAMP.
GET AGGRESSIVE.**

Kostume Kult

Esplanade &8:00 + Annex

78% GREEN

10% YELLOW

12% RED

COMMON LEAVE NO TRACE FAIL FACTORS

1. Failure to Plan/Budget
2. Not Enough People on Cleanup Crew
3. Lack of Cleanup Tools
4. Not Enough Time and Effort
- 5.) Fatigue
- 6.) Poor Visibility (Cleanup at night-time, bad weather, etc.)

MOOP MAP: UNDERSTANDING RED, YELLOW, & GREEN

It's a big playa and there is a lot of territory to cover (over 3,603 Square Acres OR 156 million square ft!)

It's the Line Sweeps' job to move through the blocks quickly, stopping to pick up any moop that we find.

An easy way of looking at the Red-Yellow-Green colors is to think of them as speed and degree of difficulty.

RED

"DEAD STOP"
DIFFICULT

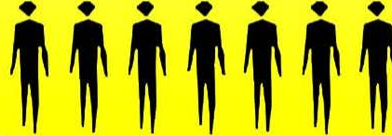
Red means that we've come to a dead stop in order to pick up the moop that we are finding. Repeat visits may be necessary.



YELLOW

"STOP N' GO"
MODERATE

Yellow means that we're at a stop 'n' go pace in order to pick up the moop that we are finding.



GREEN

"GO GO GO"
QUICK & EASY

Green means that we're moving quickly and easily with very little moop to be found.



Kostume Kult

Types of Moop Noted:

- KOSTUME KULT ANNEX: Metal burn barrel
65-2 160908 16:04:22
- Wood chips everywhere
65-2 160923 12:26:24
- Glass. Toad photo "glass to the left of me, plastic to the right, here i
am.....stuck in the middle of MOOP"
65-1 160923 12:29:02
- Rebar
65-1 160923 12:26:46

NOTE:

*Numbers correspond to
GPS record and timestamp.
See photos below.*

PLAYA RESTORATION:

Kostume Kult was difficult to cleanup after in 2016.

Total square footage (not including Annex): 80,000

Total non-green square footage: **17,600 square feet**

Kostume Kult had the **35th** worst MOOP out of **all** placed camps when ranked by total number of non-green square feet.

RECOMMENDATIONS:

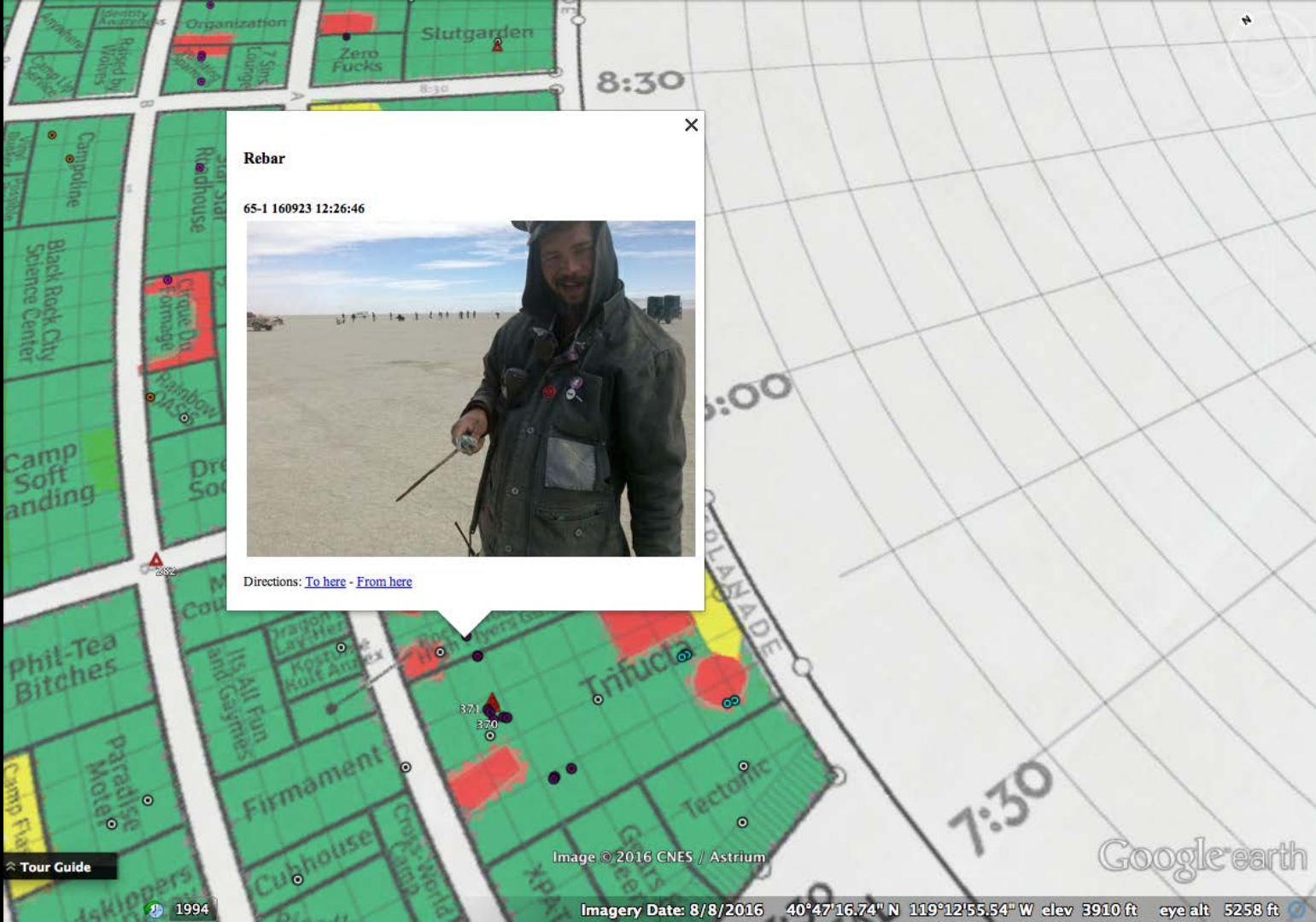
Wood debris is the #1 Moop most common moop. It's what we build with. It's what we burn with.

Use a tarp to designate all firewood storage areas and woodworking zones.

Sweep up wood areas in the morning, afternoon, evening, and night because dust stormy weather is coming to bury your wood moop and will make cleanup much harder later. Keeping wood areas clean makes things easy.

When dust storms bury your moop, use a landscape rakes to bring moop up to the surface.

Line up your Leave No Trace team for Moop Sweeps and cleanup anything you missed.



Rebar

65-1 160923 12:26:46

Directions: [To here](#) - [From here](#)

Image © 2016 CNES / Astrium

Google earth

Tour Guide


1994

Imagery Date: 8/8/2016 40°47'16.74" N 119°12'55.54" W elev 3910 ft eye alt 5258 ft

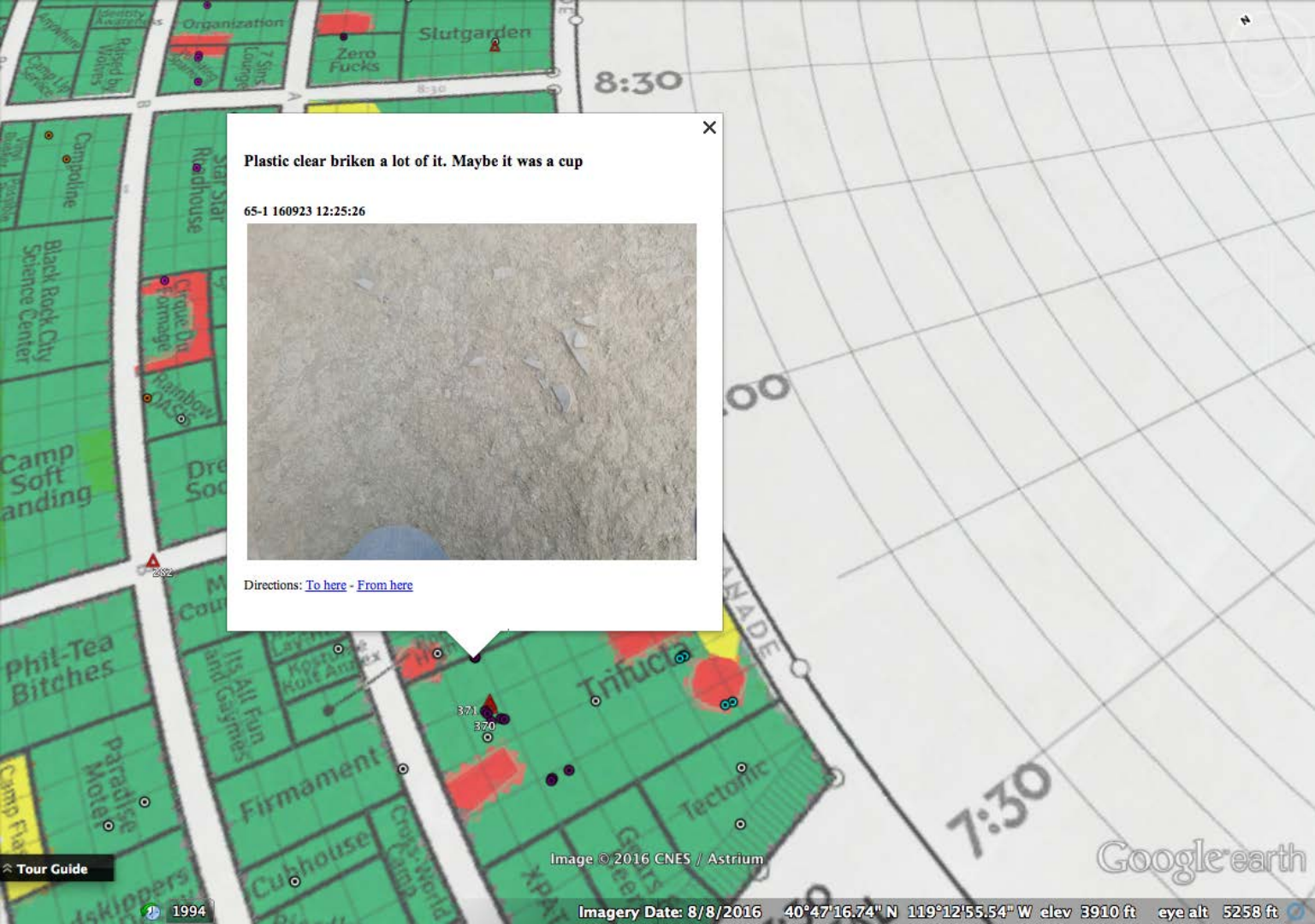
✕

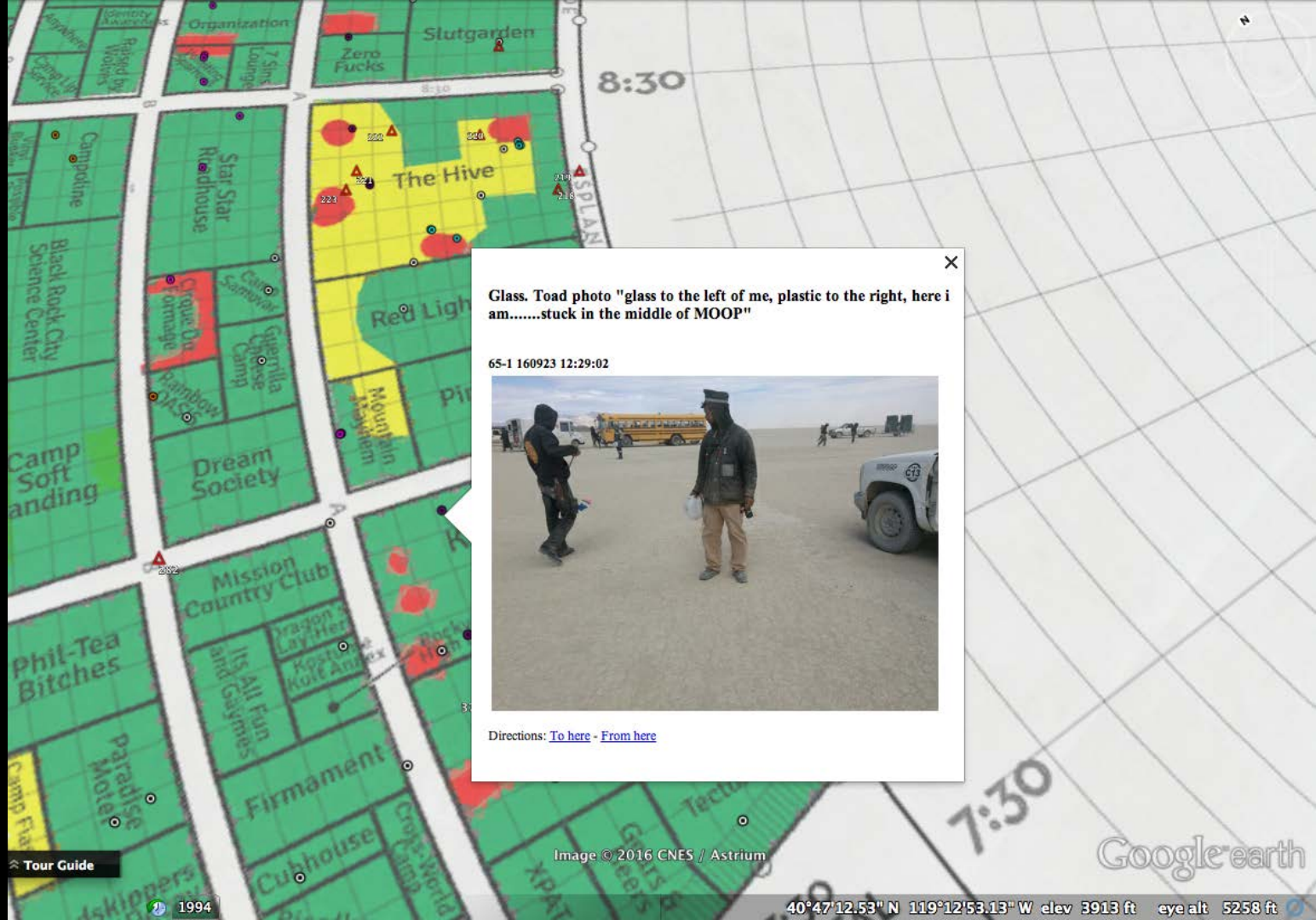
Plastic clear briken a lot of it. Maybe it was a cup

65-1 160923 12:25:26



Directions: [To here](#) - [From here](#)





Glass. Toad photo "glass to the left of me, plastic to the right, here i am.....stuck in the middle of MOOP"

65-1 160923 12:29:02



Directions: [To here](#) - [From here](#)

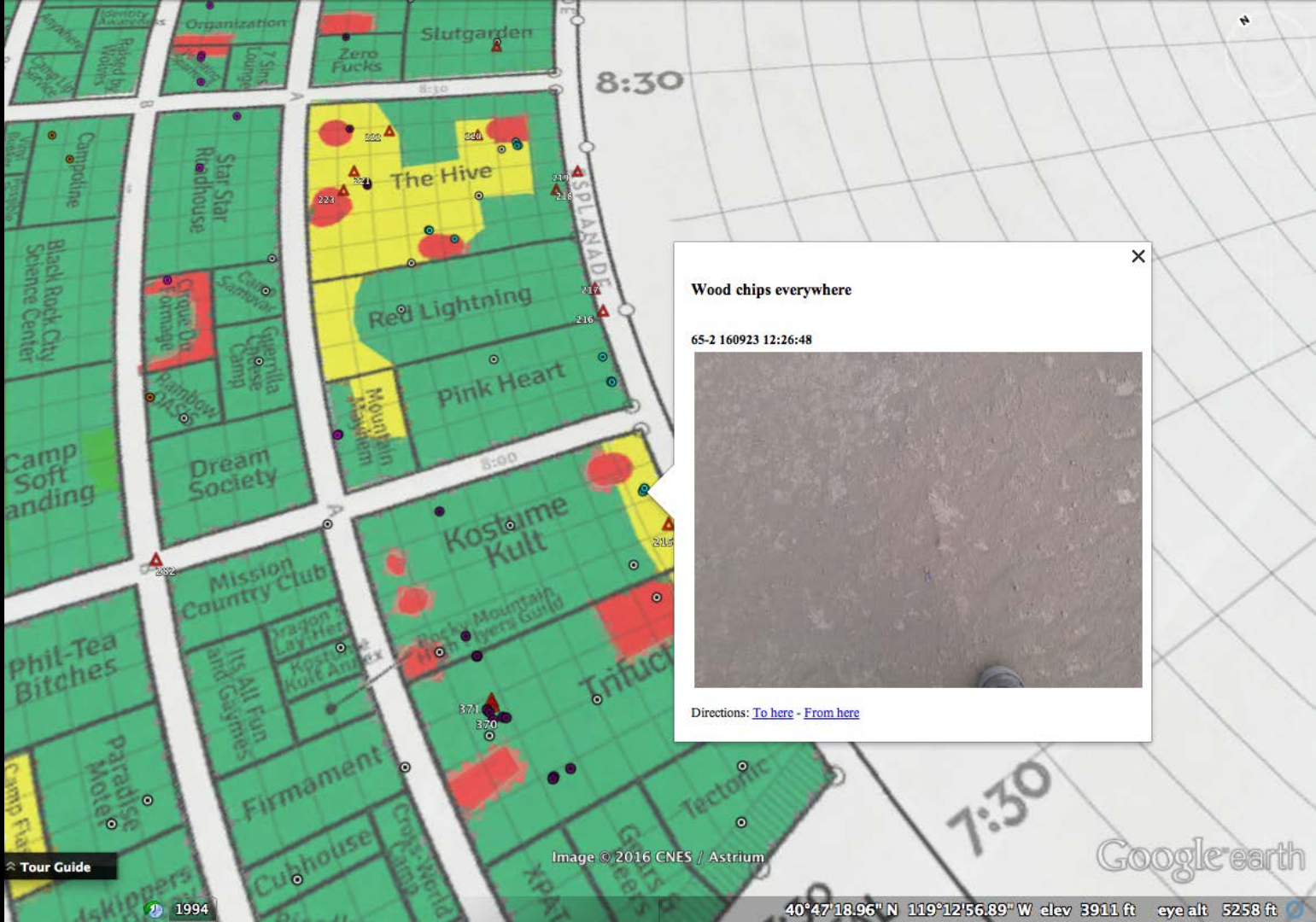
Image © 2016 CNES / Astrium

Google earth

40°47'12.53" N 119°12'53.13" W elev 3913 ft eye alt 5258 ft

Tour Guide

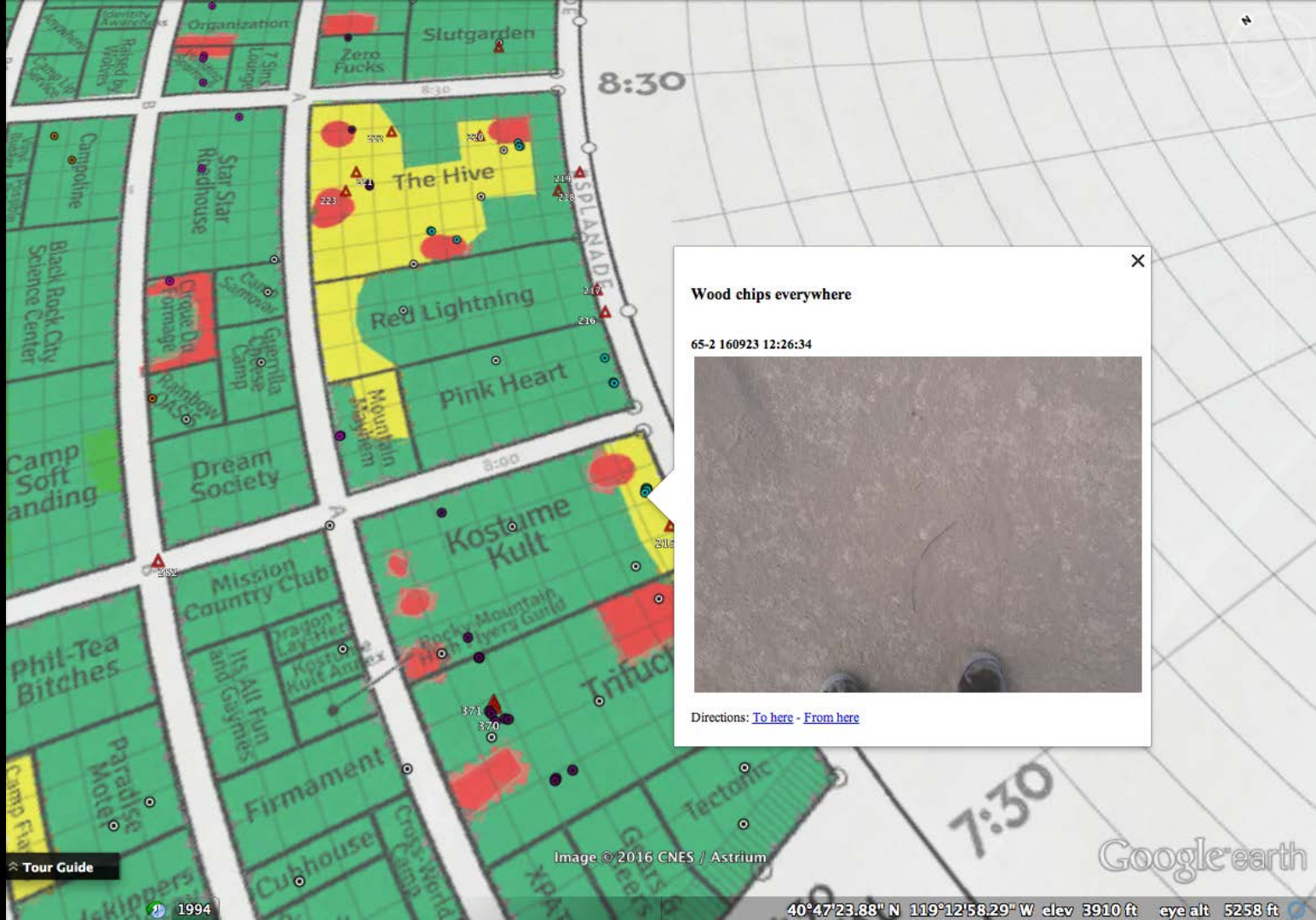
1994



Wood chips everywhere


65-2 160923 12:26:48

Directions: [To here](#) - [From here](#)



Wood chips everywhere

65-2 160923 12:26:34



Directions: [To here](#) - [From here](#)

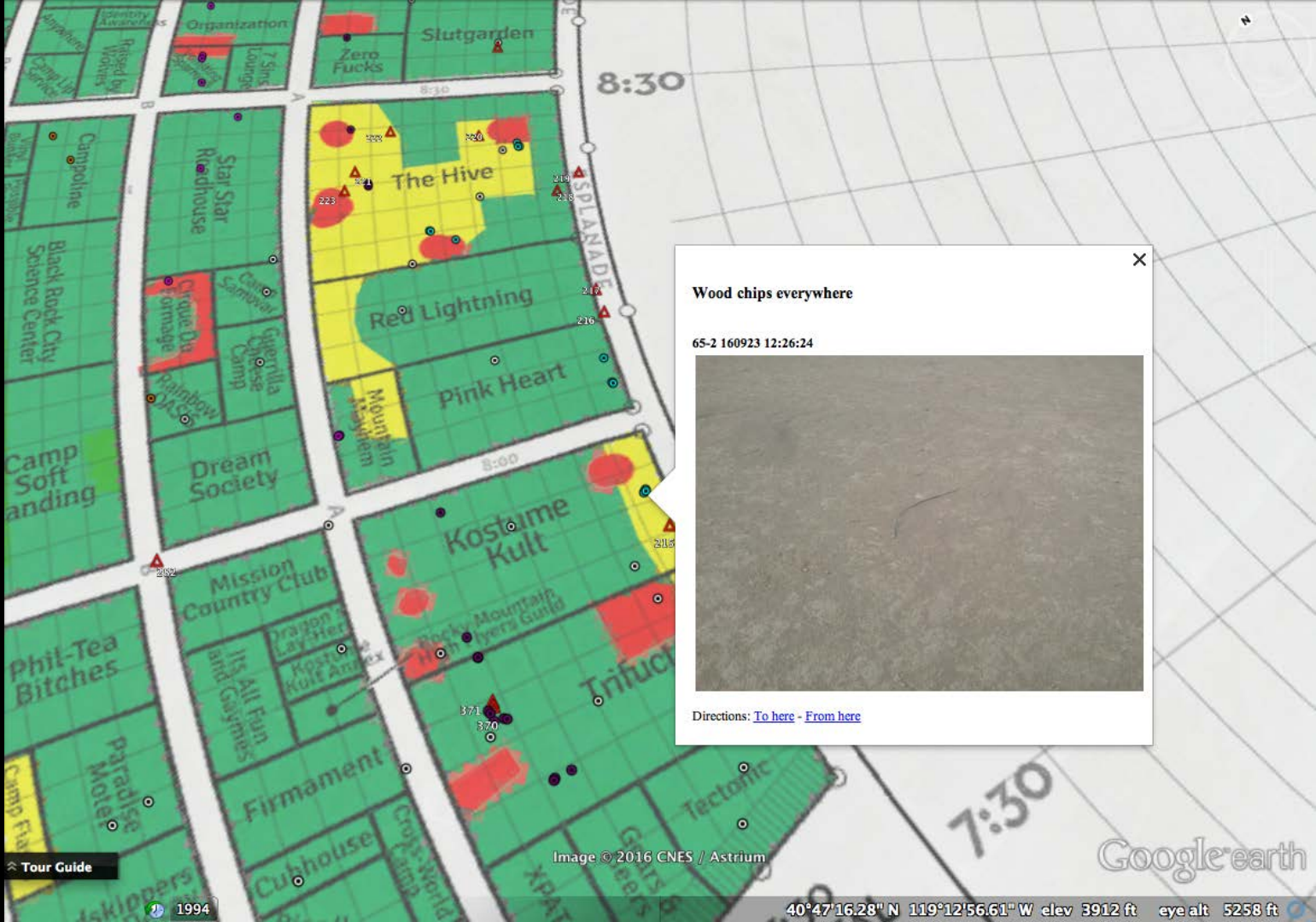
Image © 2016 CNES / Astrium

Google earth

40°47'23.88" N 119°12'58.29" W elev 3910 ft eye alt 5258 ft

Tour Guide

1994



Wood chips everywhere

65-2 160923 12:26:24



Directions: [To here](#) - [From here](#)

★ PLAYA RESTORATION ★



DPW

JOIN RESTORATION@BURNINGMAN.ORG