The Art of Firewatch

Jane Ng 吴婉淇
Lead Artist, Campo Santo

游戏开发者大会·中国
GAME DEVELOPERS CONFERENCE CHINA
SHANGHAI INTERNATIONAL CONVENTION CENTER
SHANGHAI, CHINA · OCTOBER 25-27, 2015

GoldStar
高仕達牌
永隆銀行
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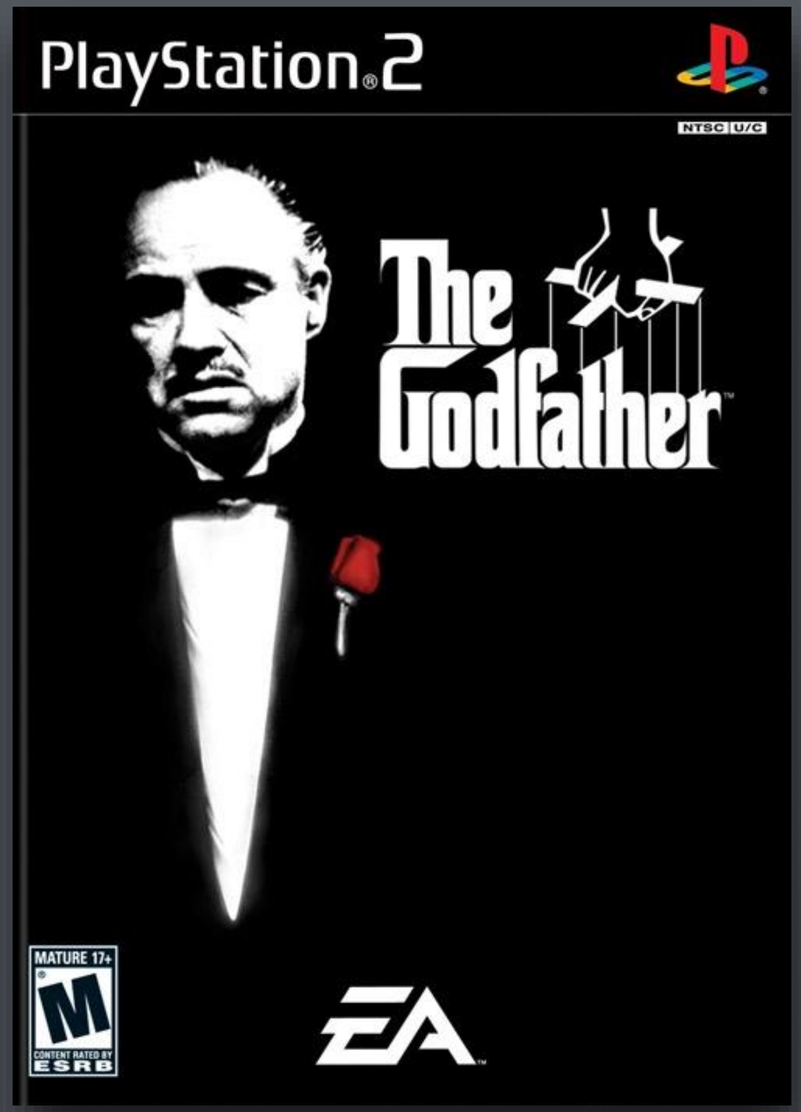
RICOH
Camera
麗確相機
TEL:5778667
教考貨車 大小巴
CAMERA AUDIO
KAM JIN PHARMACY CO.
SONY

SWARTHMORE

PlayStation 2
NTSC U/C
THE LORD OF THE RINGS
THE RETURN OF THE KING
TEEN
T
CONTENT RATED BY ESRB
NEW LINE CINEMA
EA GAMES
ONLINE
BROADBAND ONLY


PlayStation 2
NTSC U/C
The Godfather
MATURE 17+
M
CONTENT RATED BY ESRB
EA

SPORE
FROM THE CREATOR OF THE SIMS
EVERYONE 10+
E
10+
CONTENT RATED BY ESRB
WIN
MAC
DVD-ROM
SOFTWARE
EA

defaultprime

THE ART OF FIREWATCH

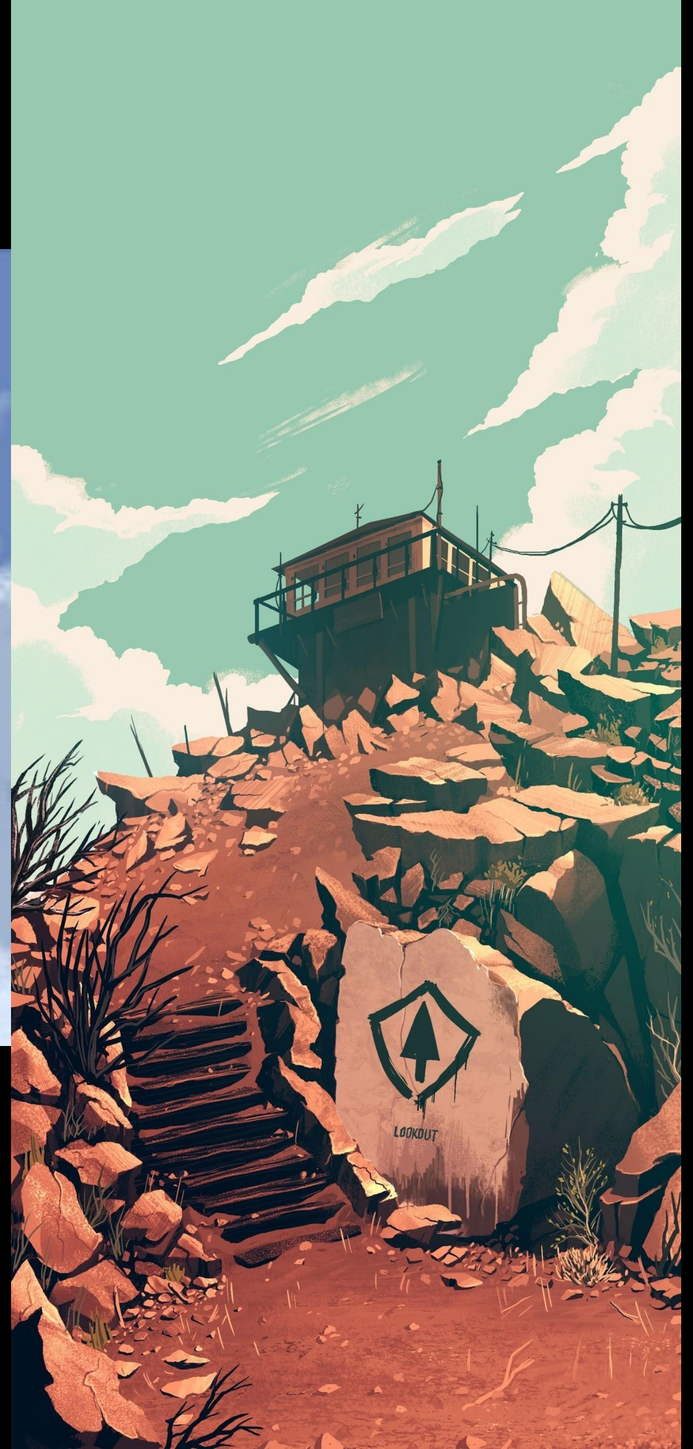
· PEACE · SOLITUDE ·
THE GREAT OUTDOORS

VOLUNTEER

AS A LOOKOUT

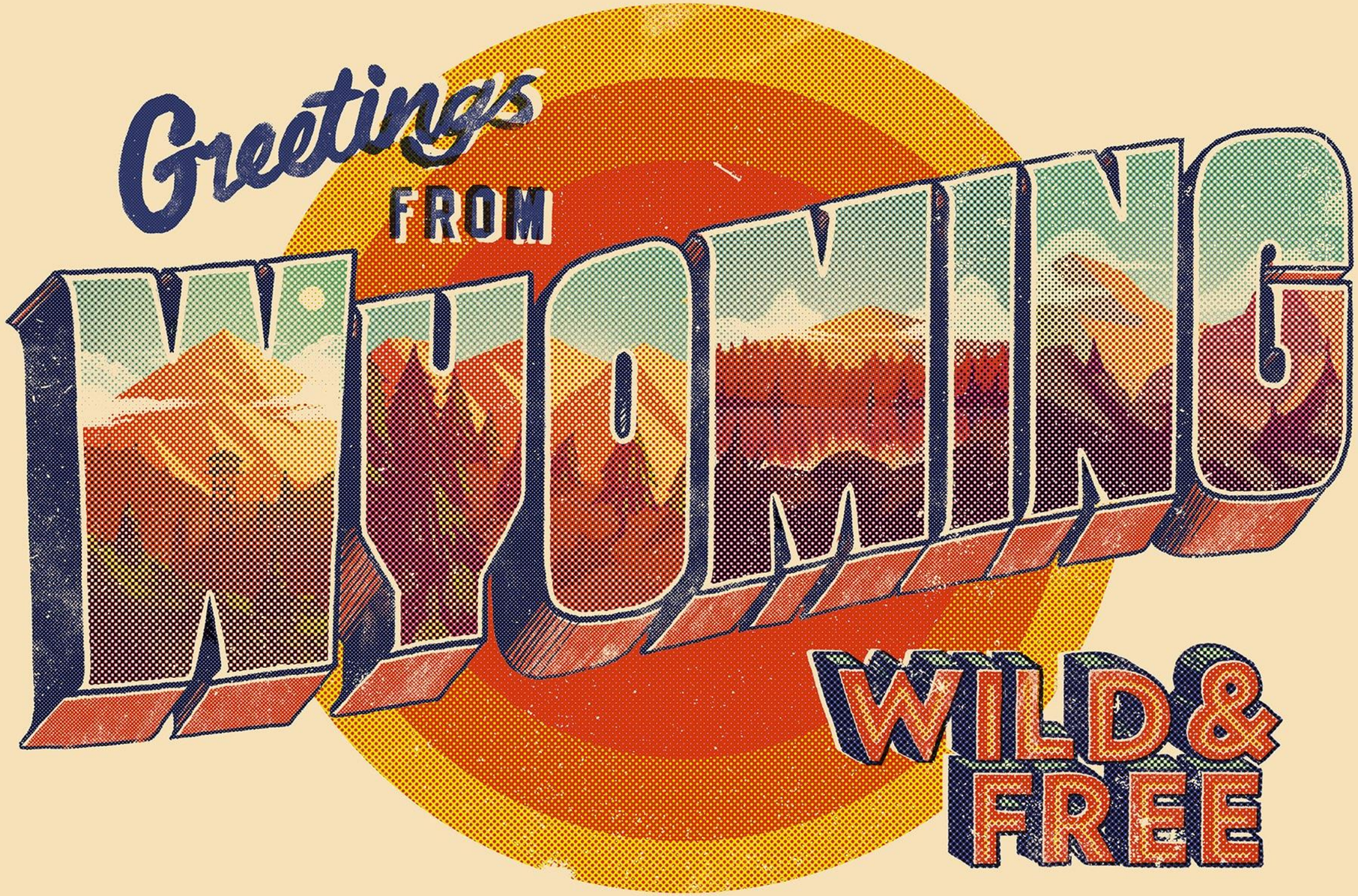
FWD 1989

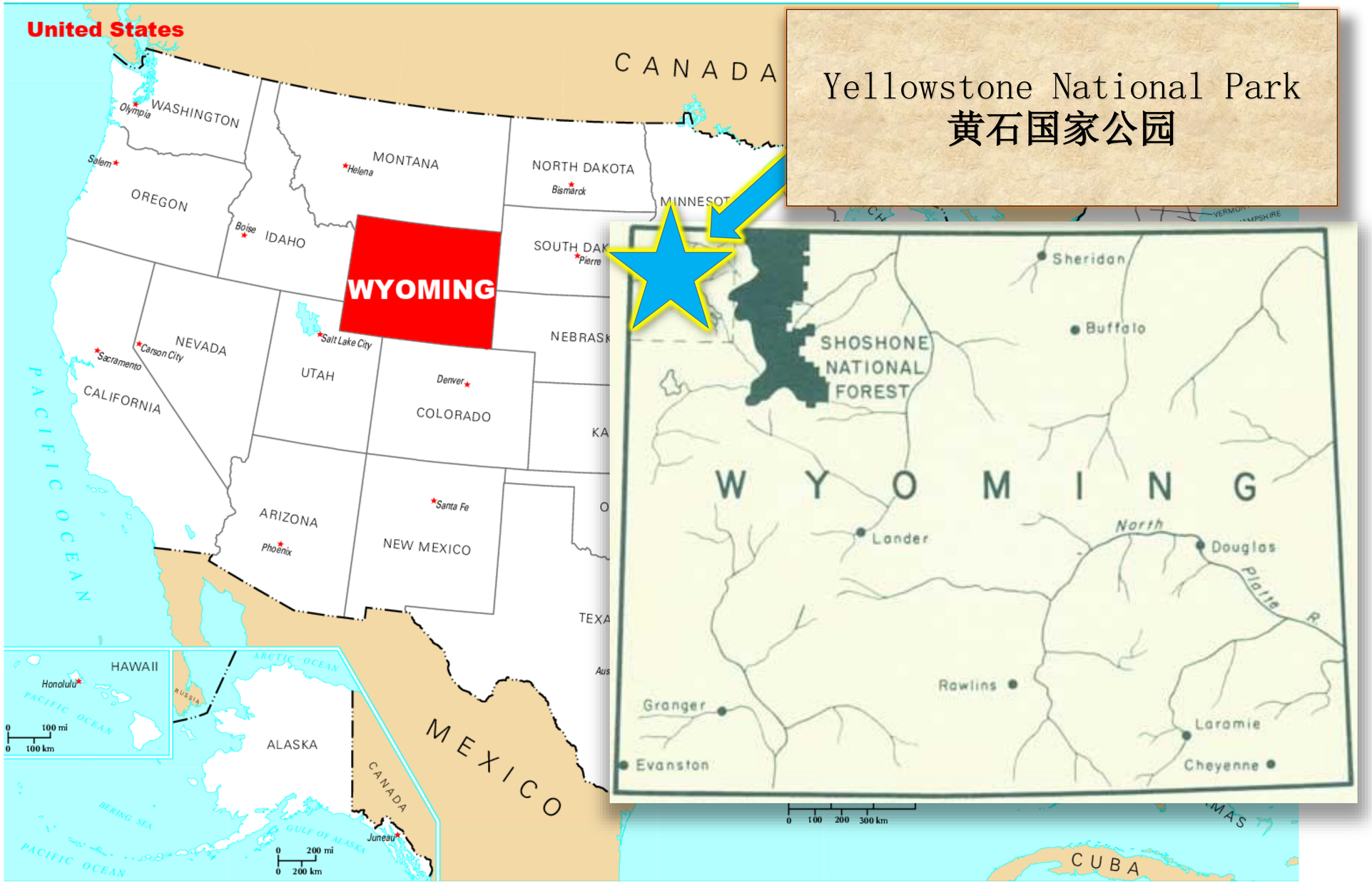
FIREWATCH


LOOKOUT

What is Firewatch?

Firewatch is a mystery set in the Wyoming wilderness, where your only emotional lifeline is the person on the other end of a handheld radio.


Greetings
FROM
WYOMING
WILD &
FREE


United States
CANADA
WASHINGTON
Olympia
OREGON
Salem
IDAHO
Boise
MONTANA
Helena
NORTH DAKOTA
Bismarck
MINNESOTA
SOUTH DAKOTA
Pierre
WYOMING
NEBRASKA
NEVADA
Carson City
Sacramento
CALIFORNIA
UTAH
Salt Lake City
COLORADO
Denver
KANSAS
ARIZONA
Phoenix
NEW MEXICO
Santa Fe
TEXAS
PACIFIC OCEAN
HAWAII
Honolulu
ALASKA
Juneau
CANADA
MEXICO
CUBA
Yellowstone National Park
黄石国家公园
Sheridan
Buffalo
SHOSHONE NATIONAL FOREST
WYOMING
Lander
North Platte R.
Douglas
Rawlins
Granger
Evanston
Laramie
Cheyenne

The world can look stylized but must feel real

An immersive space supports an immersive narrative

CAMPO SANTO

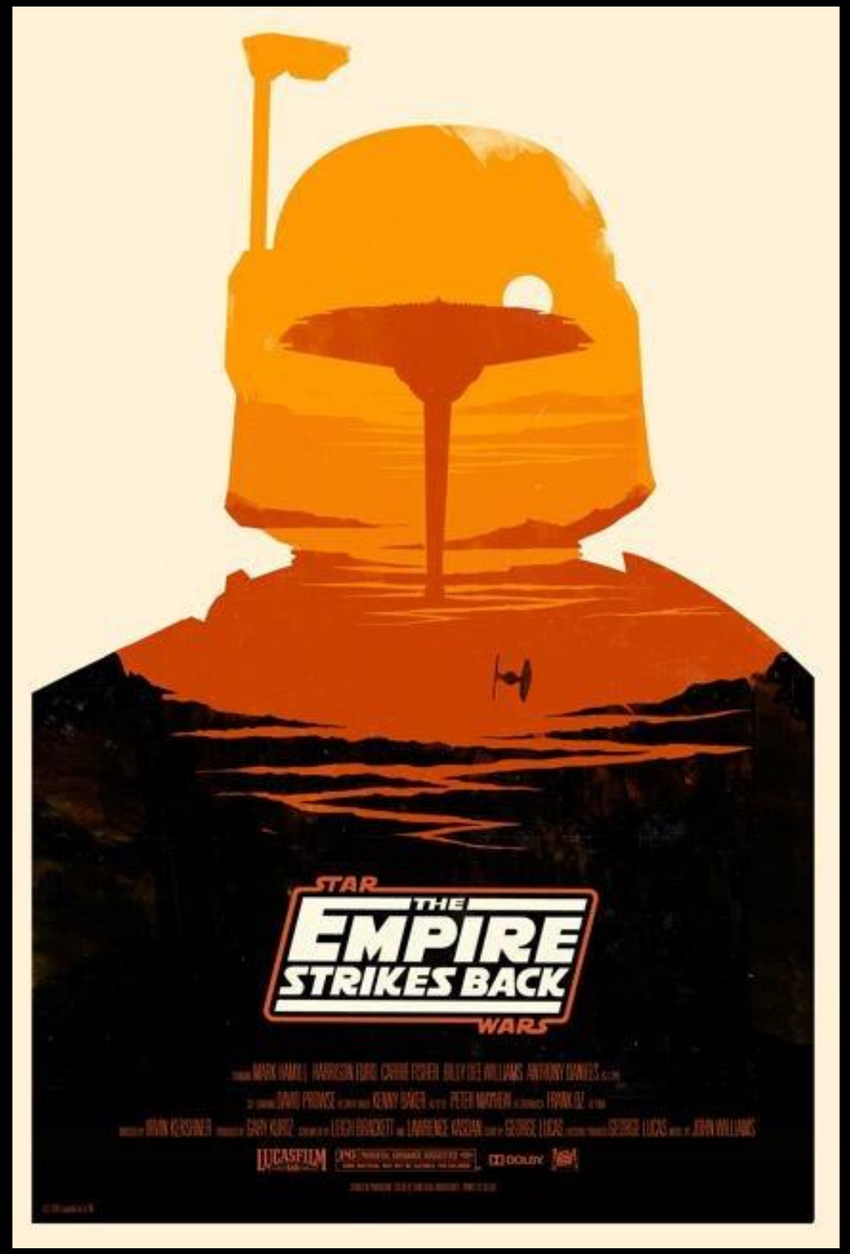
Jake Rodkin	User Interface, Greybox
James Benson	Animation
Jane Ng (me!)	3D - Environment Art
Olly Moss	2D - Concept, Production Design
Paolo Surricchio	Graphics Programmer

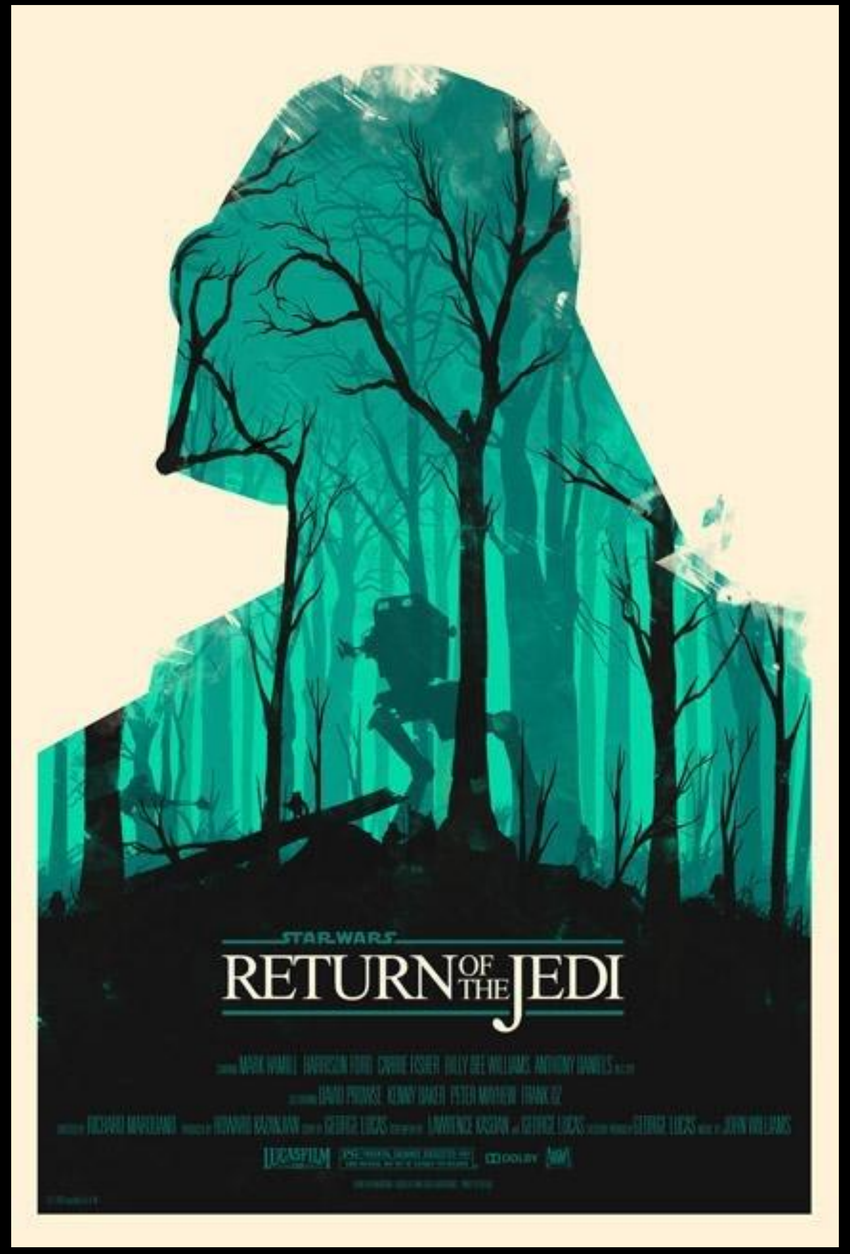
Chris Remo	
Nels Anderson	
Patrick Ewing	
Sean Vanaman	
Will Armstrong	

FIREWATCH

Olly Moss

STAR WARS


STAR
THE EMPIRE STRIKES BACK
WARS


STAR WARS
RETURN OF THE JEDI

From John Landis
director of Animal House
... a different kind of animal
AN AMERICAN WEREWOLF IN LONDON
POLYGRAM PICTURES PRESENTS A LYCANTHROPE FILMS LIMITED PRODUCTION "AN AMERICAN WEREWOLF IN LONDON"
STARRING DAVID NAUGHTON JENNY AGUTTER GRIFFIN DUNNE & JOHN WOODVINE
ORIGINAL MUSIC BY ELMER BERNSTEIN PRODUCED BY PETER GUBER & JON PETERS PRODUCED BY GEORGE FOLSEY, JR.
WRITTEN AND DIRECTED BY JOHN LANDIS
PolyGram Pictures
R RESTRICTED
UNIVERSAL

The LAST of US
Directed by Bruce Straley and Neil Druckmann
Written by Neil Druckmann Original Score by Gustavo Santaolalla
Created and Developed by Naughty Dog
NAUGHTY DOG

What is so striking about this image?

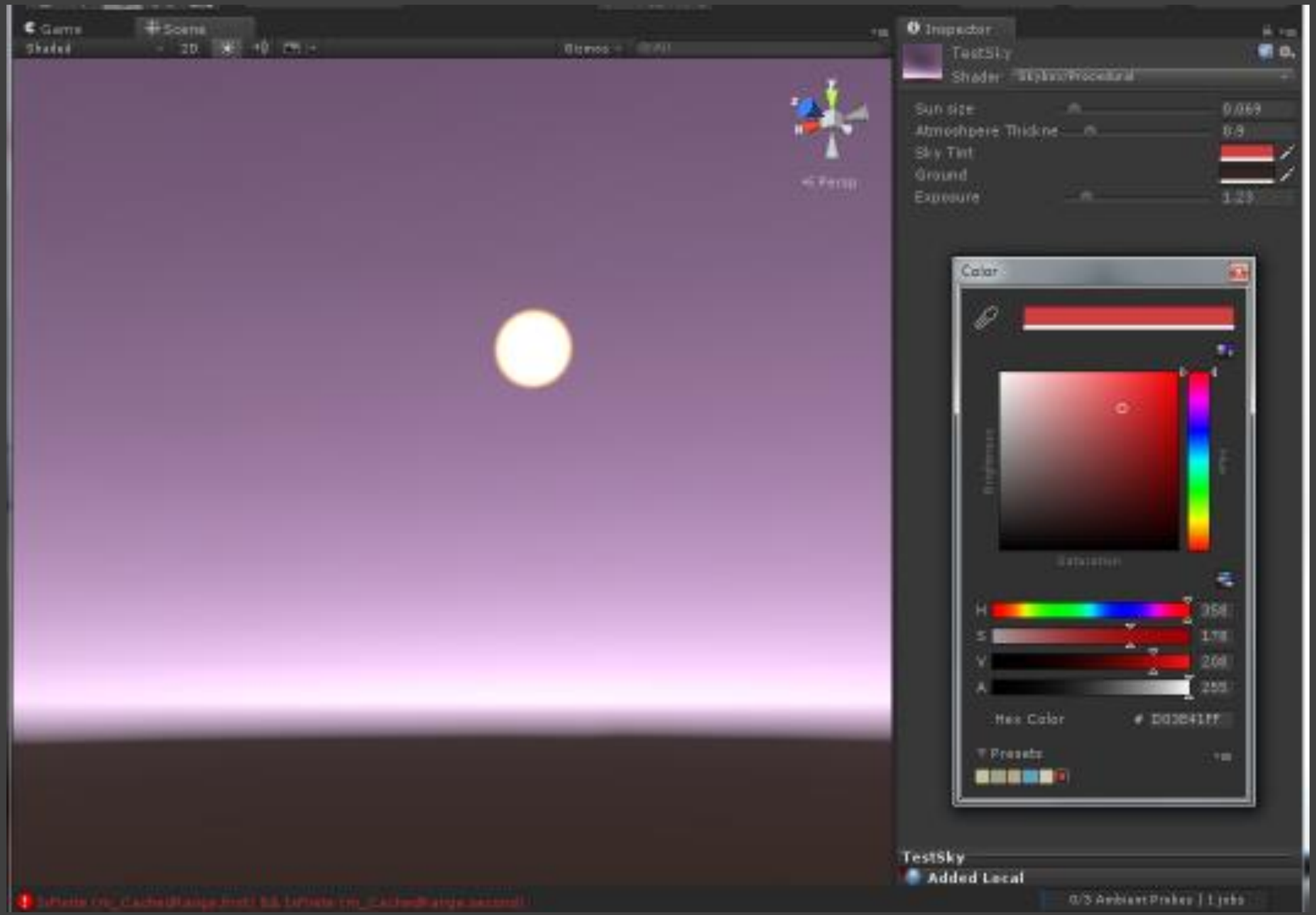
LAYERS OF COLORS

STRONG SHAPES

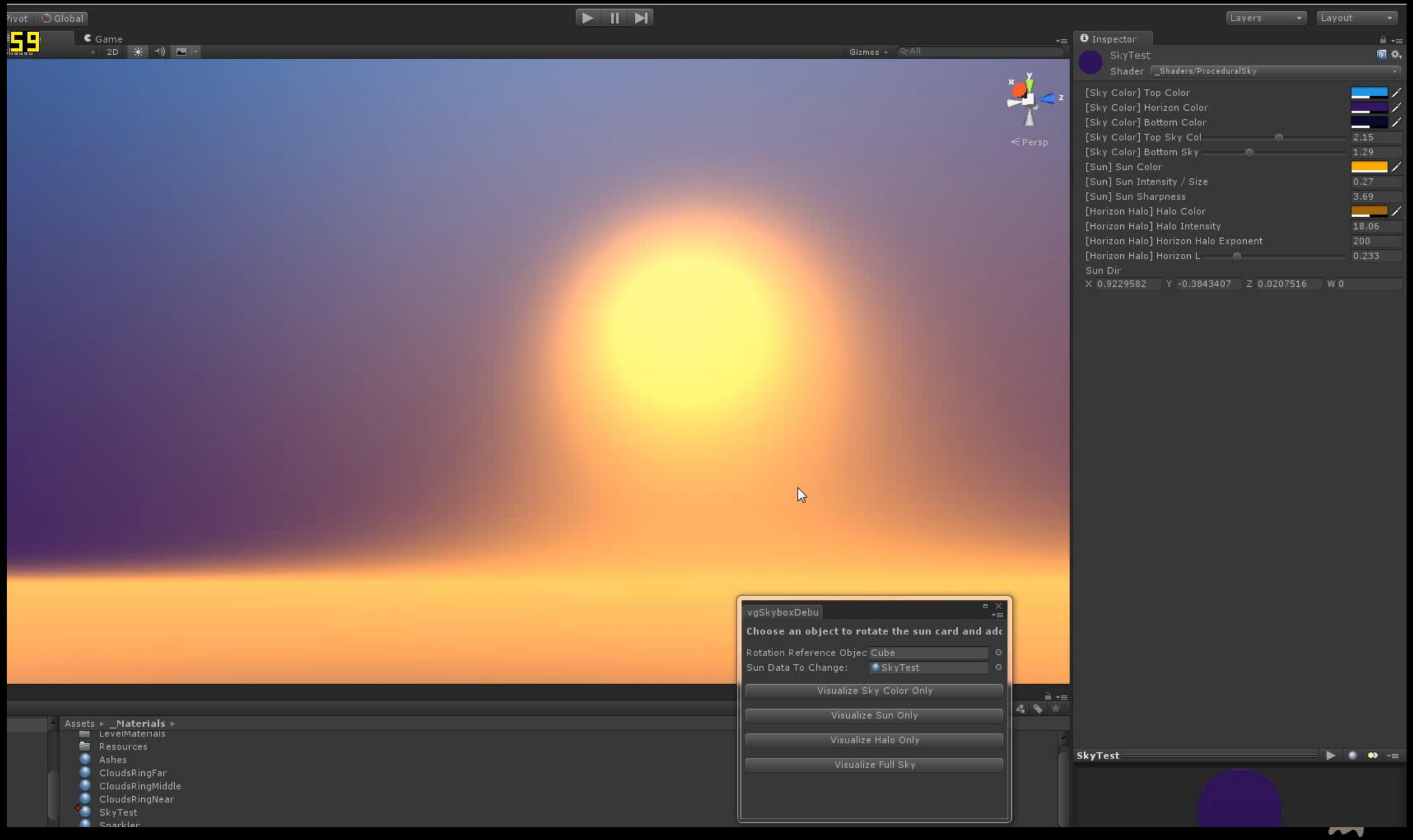
NARRATIVE DETAILS

LAYERS OF COLORS

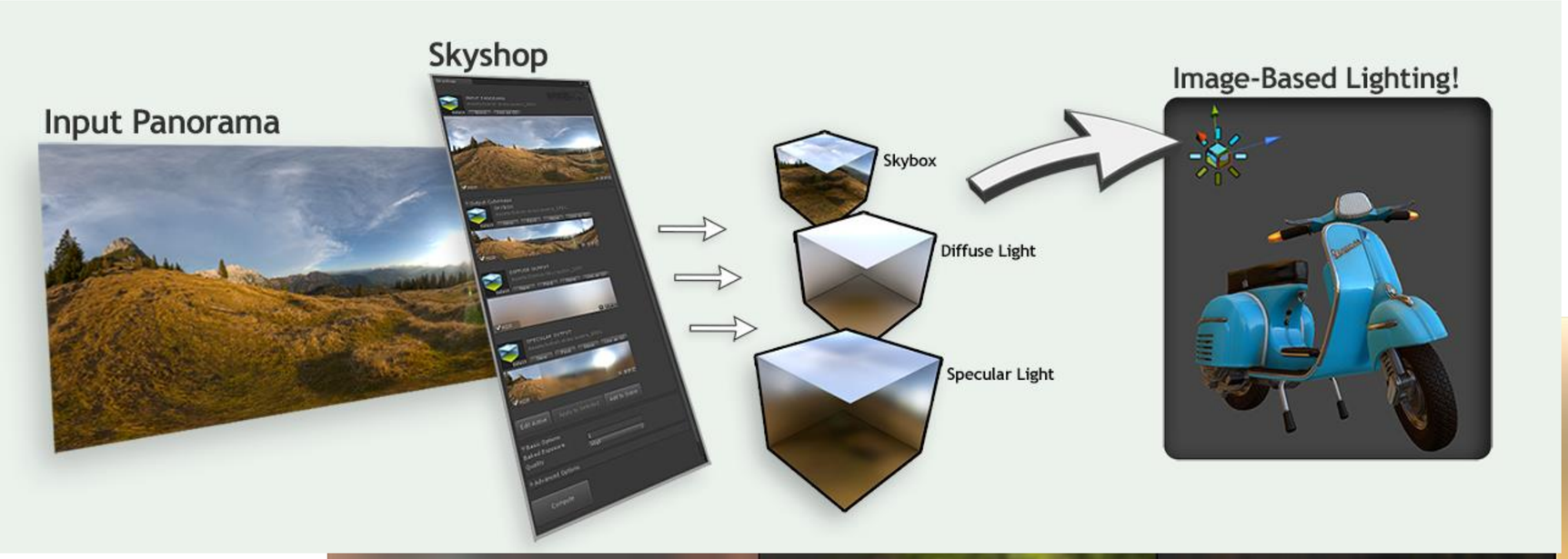
FIREWATCH

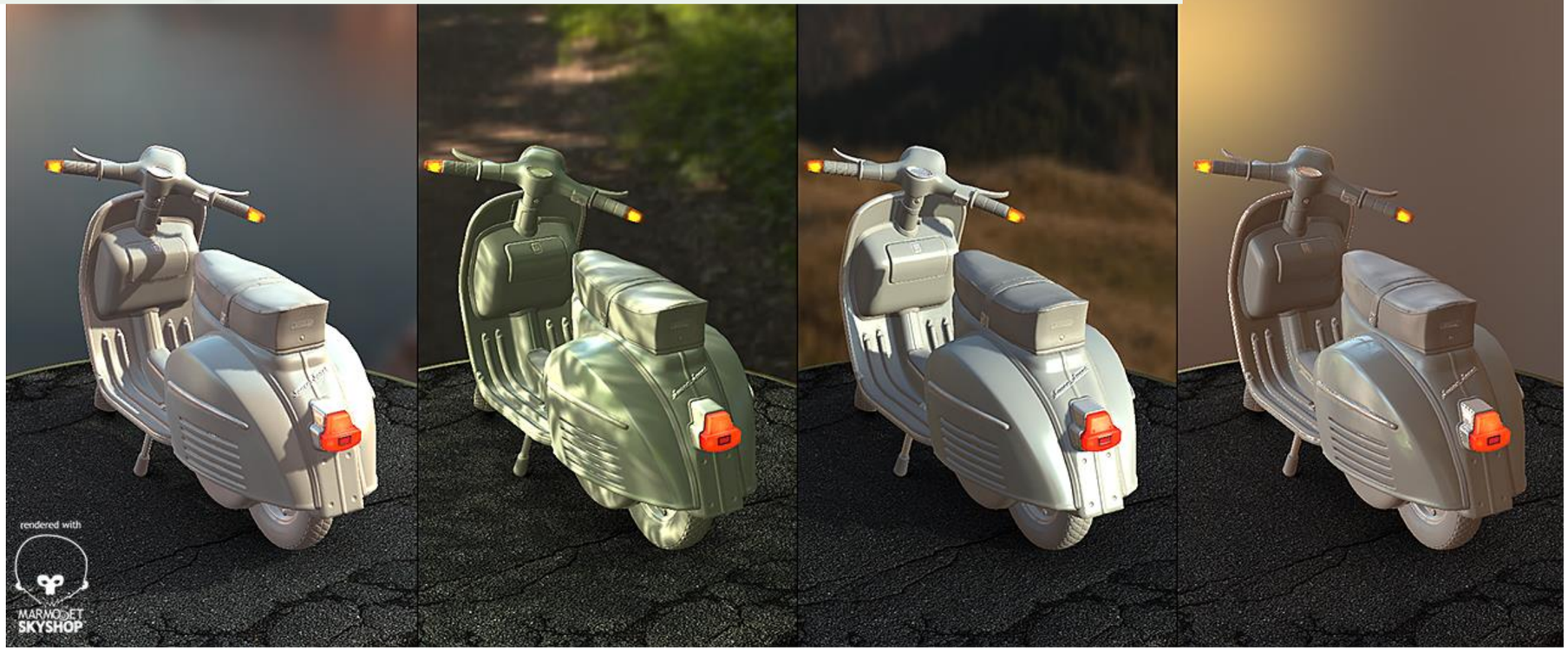

Game
Scene
Shaded
2D
Gizmos
Persp
Inspector
TestSky
Shader
Sun size
Atmosphere Thickne
Sky Tint
Ground
Exposure
Color
H
S
V
A
Hex Color
Presets
TestSky
Added Local

Center
Global
Layers
Layout
Account
Scene
2D
Gizmos
TestSky
Shader
Sun size
Atmosphere Thickne
1.37
Sky Tint
Ground
Exposure
1.31
TestSky


Pivot
Global
Game
2D
Gizmos
Persp
Inspector
SkyTest
Shader _Shaders/ProceduralSky
[Sky Color] Top Color
[Sky Color] Horizon Color
[Sky Color] Bottom Color
[Sky Color] Top Sky Col 2.15
[Sky Color] Bottom Sky 1.29
[Sun] Sun Color
[Sun] Sun Intensity / Size 0.27
[Sun] Sun Sharpness 3.69
[Horizon Halo] Halo Color
[Horizon Halo] Halo Intensity 18.06
[Horizon Halo] Horizon Halo Exponent 200
[Horizon Halo] Horizon L 0.233
Sun Dir
X 0.9229582 Y -0.3843407 Z 0.0207516 W 0
vgSkyboxDebu
Choose an object to rotate the sun card and adc
Rotation Reference Objec Cube
Sun Data To Change: SkyTest
Visualize Sky Color Only
Visualize Sun Only
Visualize Halo Only
Visualize Full Sky
Assets ▸ _Materials ▸
LevelMaterials
Resources
Ashes
CloudsRingFar
CloudsRingMiddle
CloudsRingNear
SkyTest
SkyTest

MARMOSET
Skyshop
image based lighting for unity


Input Panorama
Skyshop
Skybox
Diffuse Light
Specular Light
Image-Based Lighting!

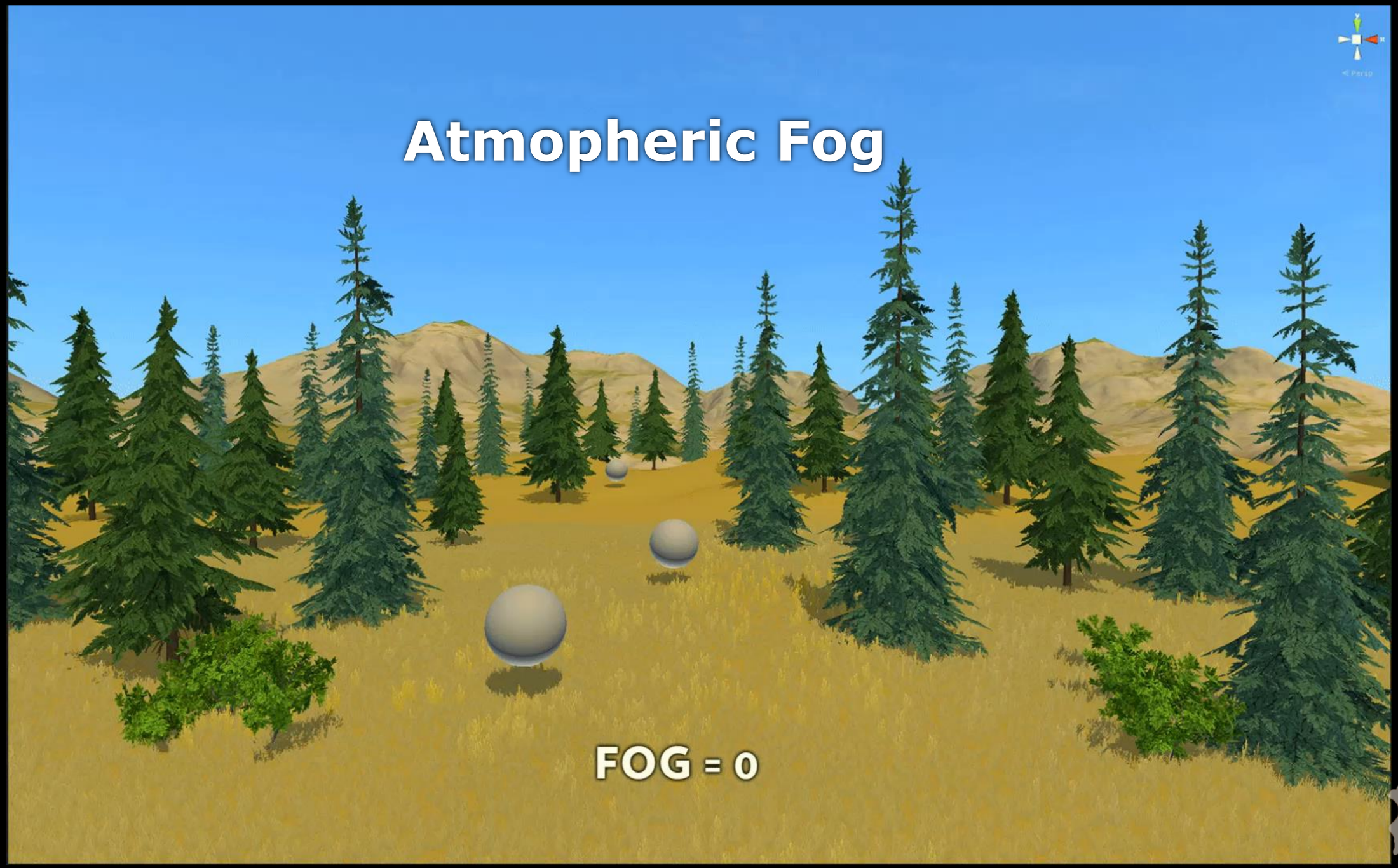

rendered with
MARMOSET
SKYSHOP

A dynamic lighting solution lets you change colors on the fly

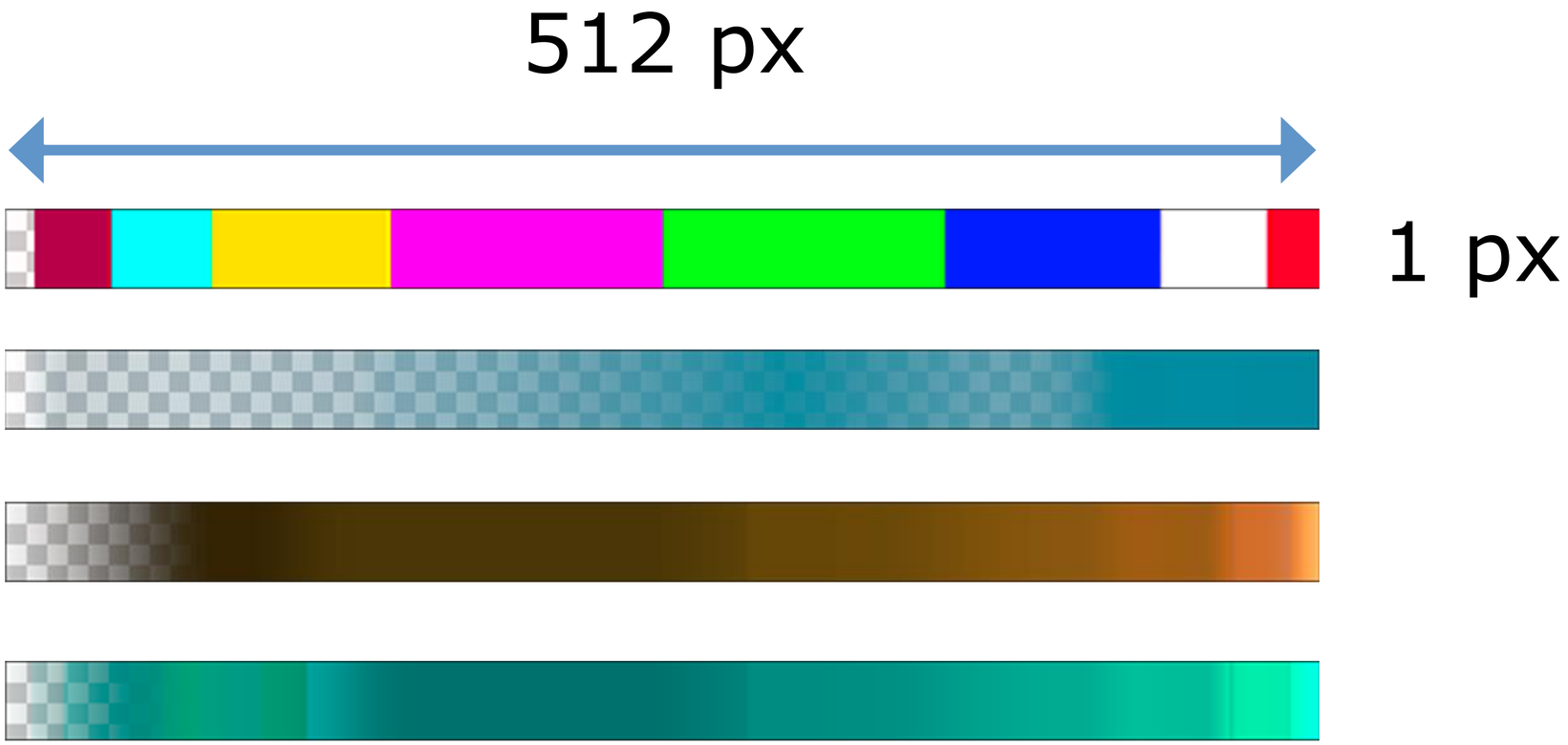
HOT TIP #1

So we have sky color, what about those layers?

Atmopheric Fog



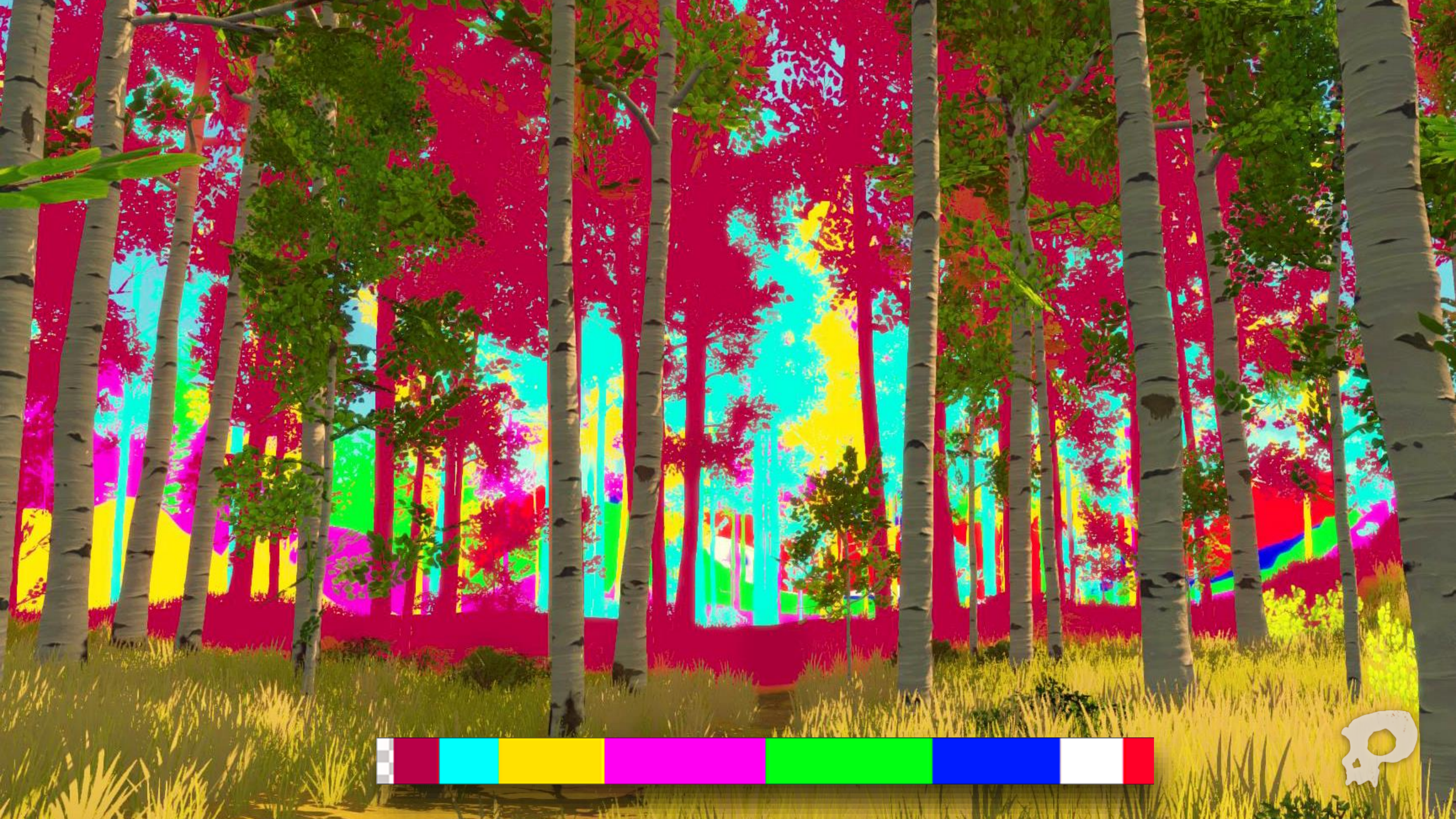
Stylistic Fog Additive blend post process image fx

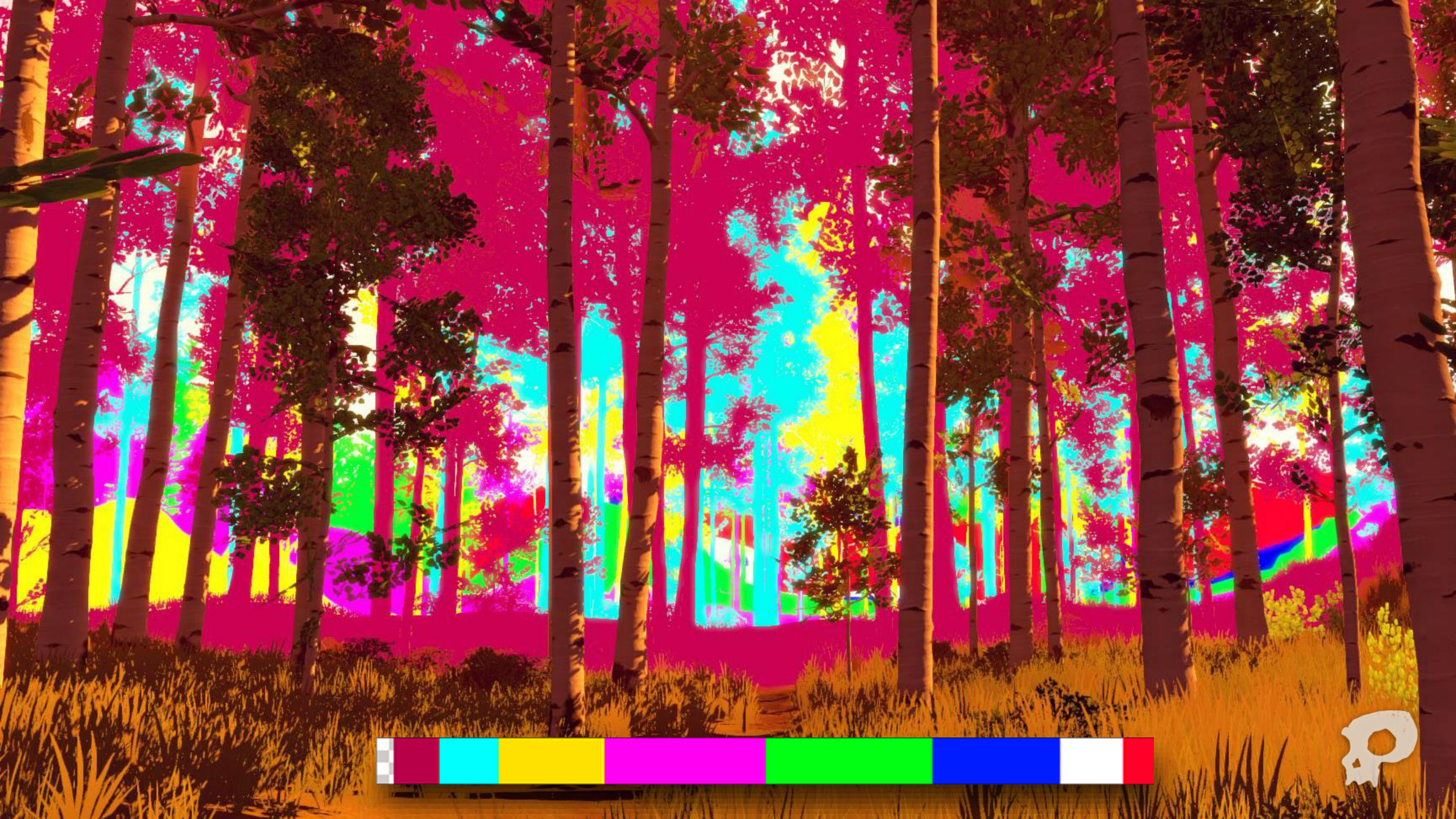


Nearest to player

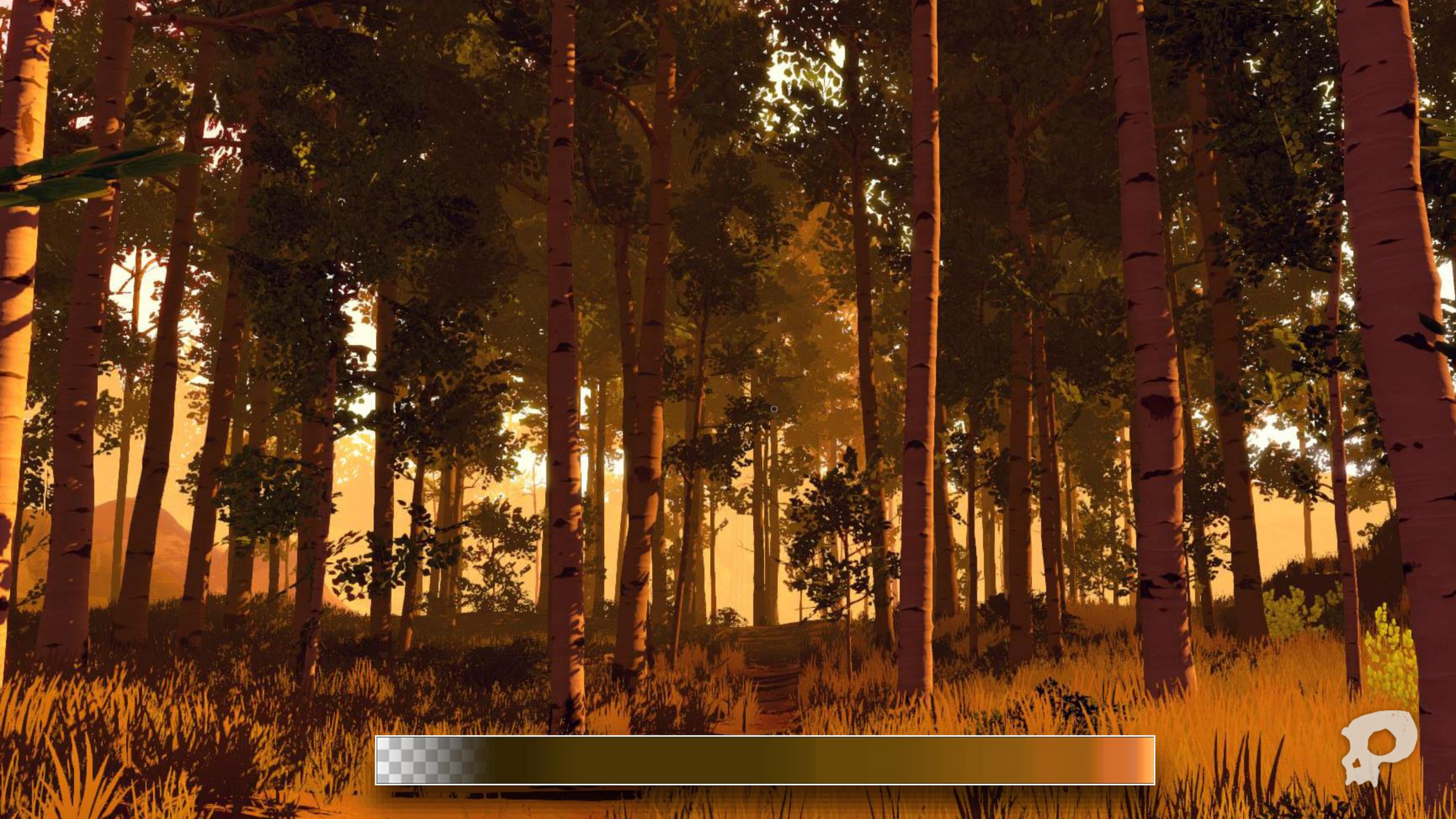
Far away

No Fog

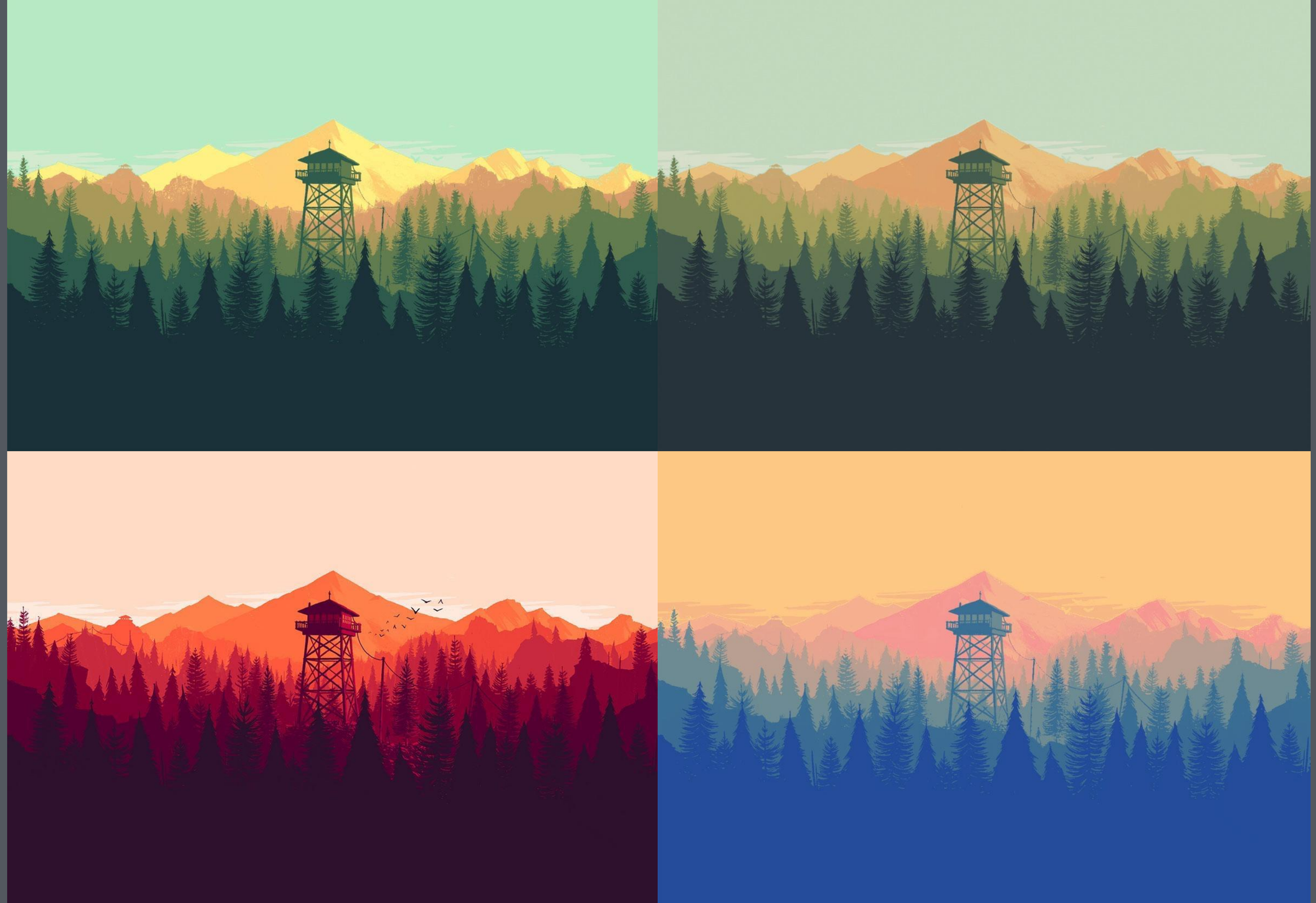




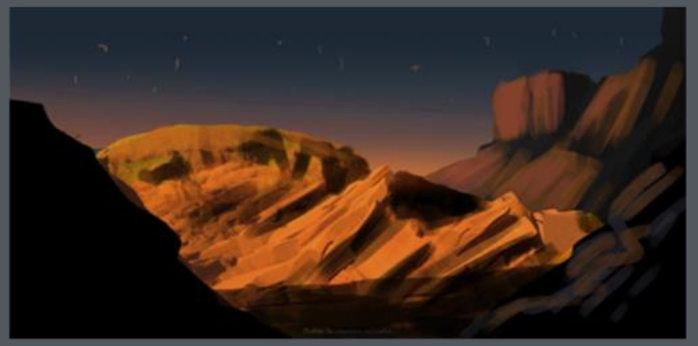
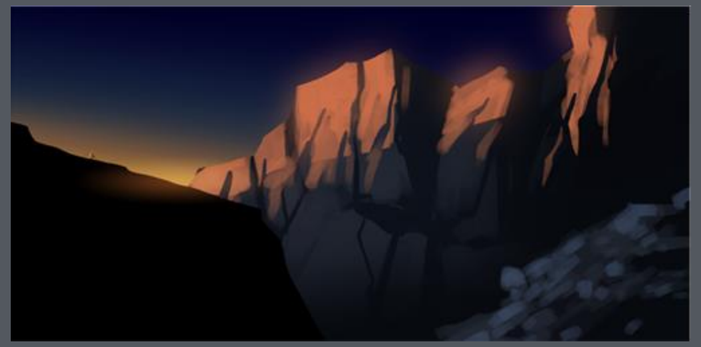
No Fog



HOT TIP #2



THE INCREDIBLES
KRONOS

HOT TIP #3

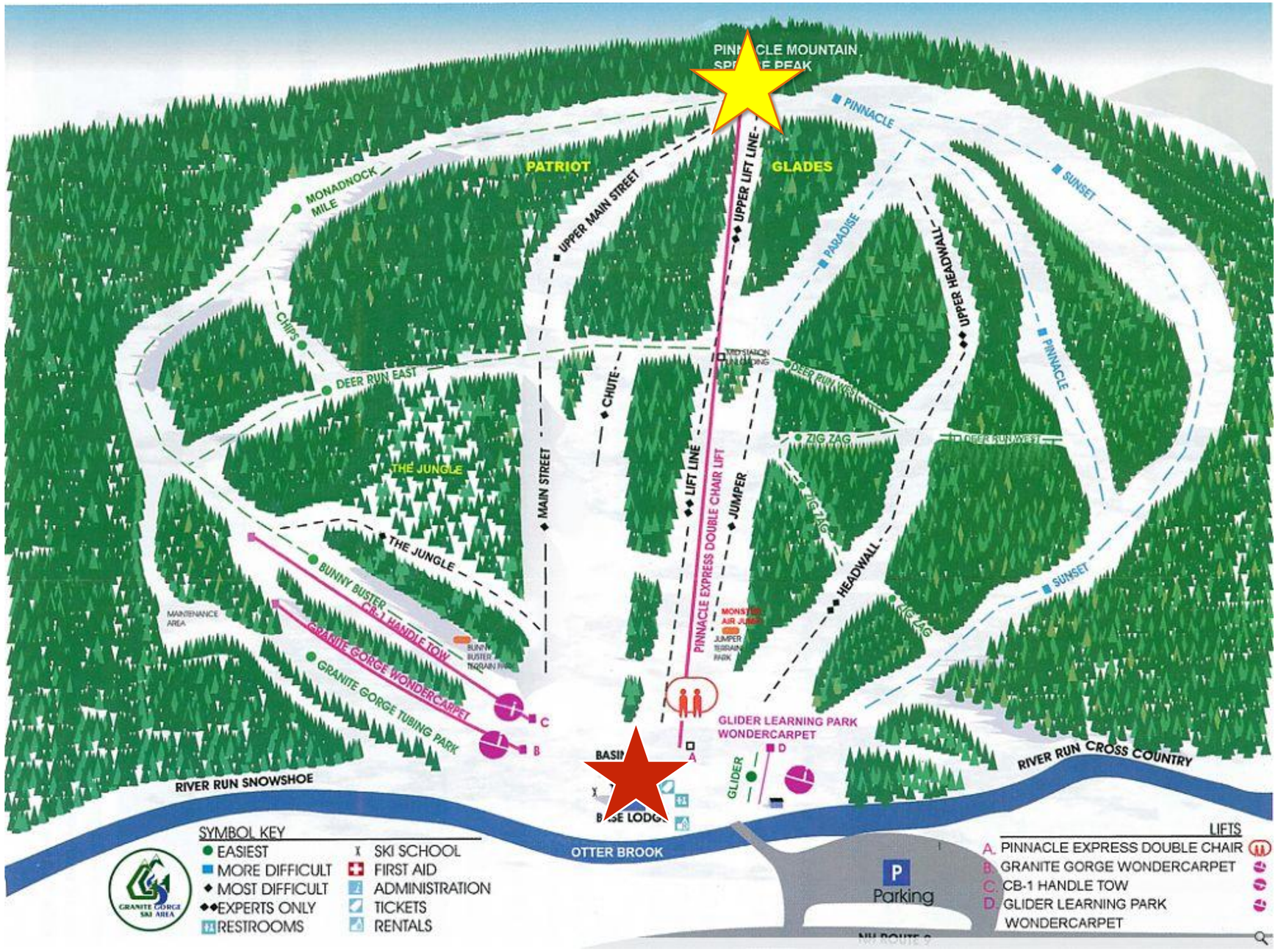
STRONG SHAPES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TWO FORKS

REGIONAL OVERVIEW

THOROFARE REGION
SHOSHONE NATIONAL FOREST
U.S. Nat'l Forest Service

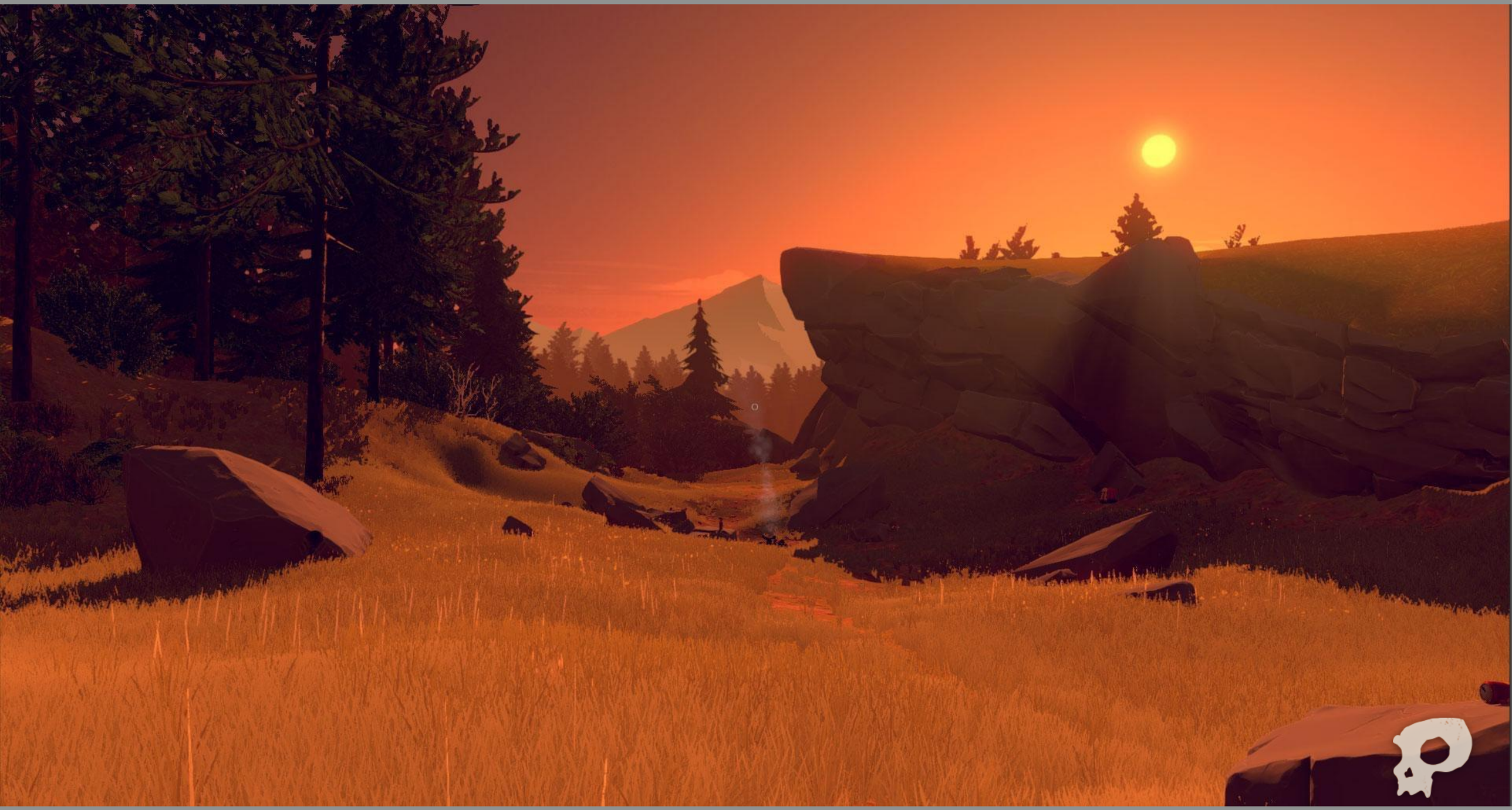

PINNACLE MOUNTAIN
PATRIOT
GLADES
PINNACLE
SUNSET
MONADNOCK MILE
UPPER MAIN STREET
UPPER LIFT LINE
PARADISE
UPPER HEADWALL
CHIPS
DEER RUN EAST
CHUTE
ZIG ZAG
THE JUNGLE
MAIN STREET
LIFT LINE
JUMPER
PINNACLE EXPRESS DOUBLE CHAIR LIFT
HEADWALL
BUNNY BUSTER
CB-1 HANDLE TOW
GRANITE GORGE WONDERCARPET
GRANITE GORGE TUBING PARK
MAINTENANCE AREA
GLIDER LEARNING PARK WONDERCARPET
GLIDER
RIVER RUN SNOWSHOE
RIVER RUN CROSS COUNTRY
OTTER BROOK
Parking
SYMBOL KEY
EASIEST
MORE DIFFICULT
MOST DIFFICULT
EXPERTS ONLY
RESTROOMS
SKI SCHOOL
FIRST AID
ADMINISTRATION
TICKETS
RENTALS
LIFTS
A. PINNACLE EXPRESS DOUBLE CHAIR
B. GRANITE GORGE WONDERCARPET
C. CB-1 HANDLE TOW
D. GLIDER LEARNING PARK WONDERCARPET

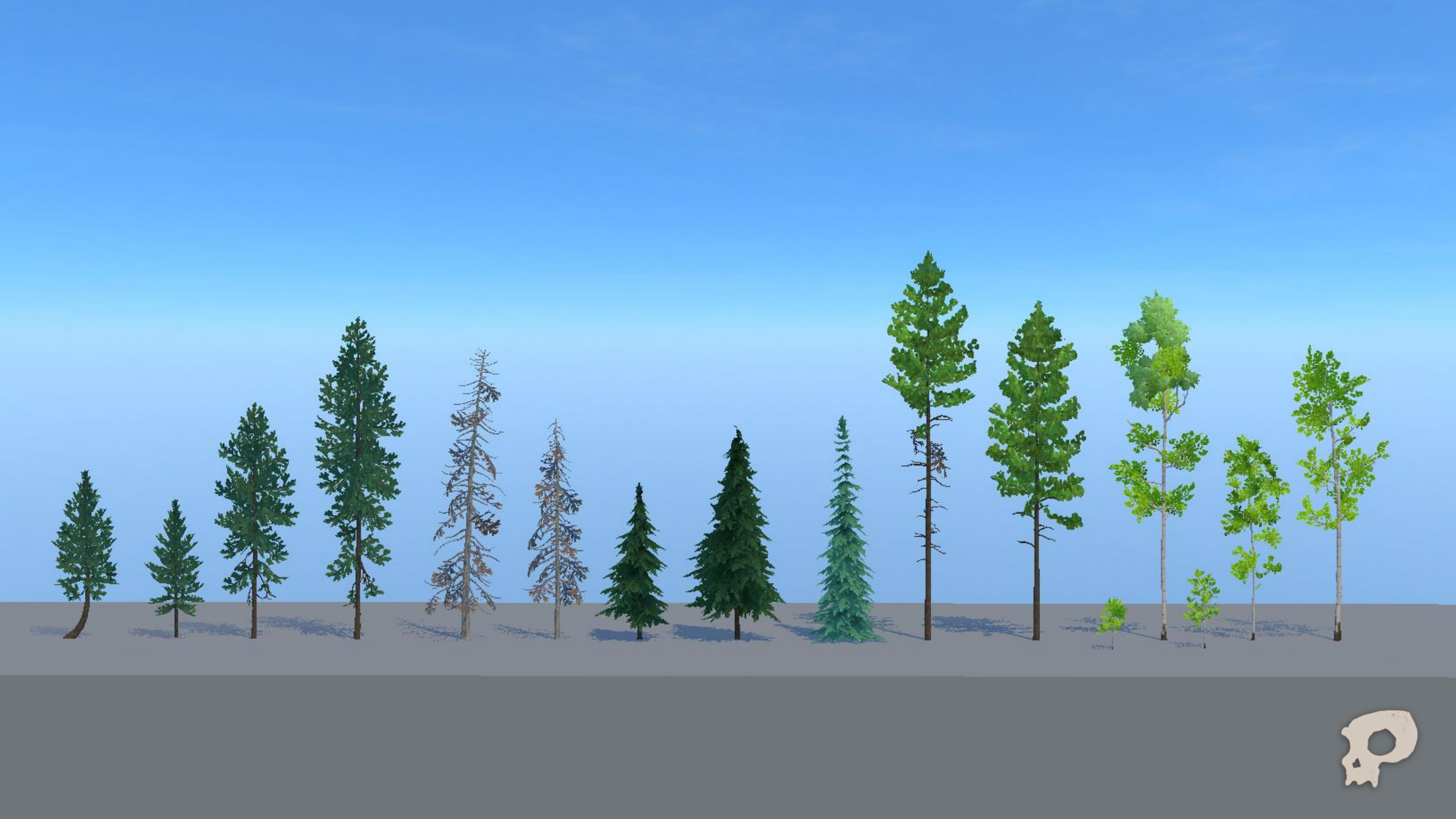
Crazy eye tower !

Ridiculously metal statue!

SHOSHONE
National Forest
CAMPGROUND
LAKE CREEK

Land shape



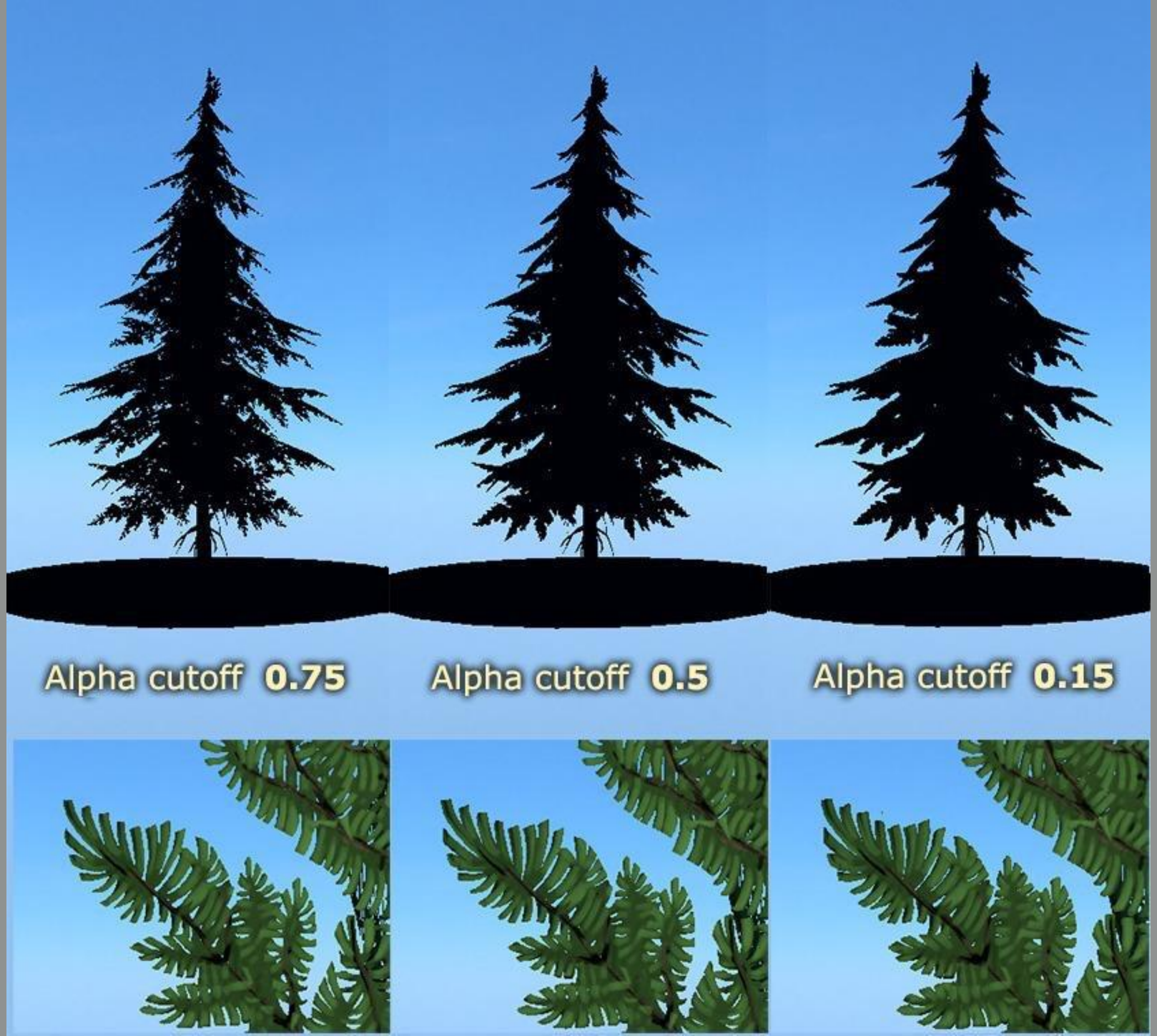


SPRUCE!

+ Generally uniform shapes. Conical.
+Younger smaller trees branches start closer to ground.

Actual Silhouette

Reduced Detail LOD Stylisation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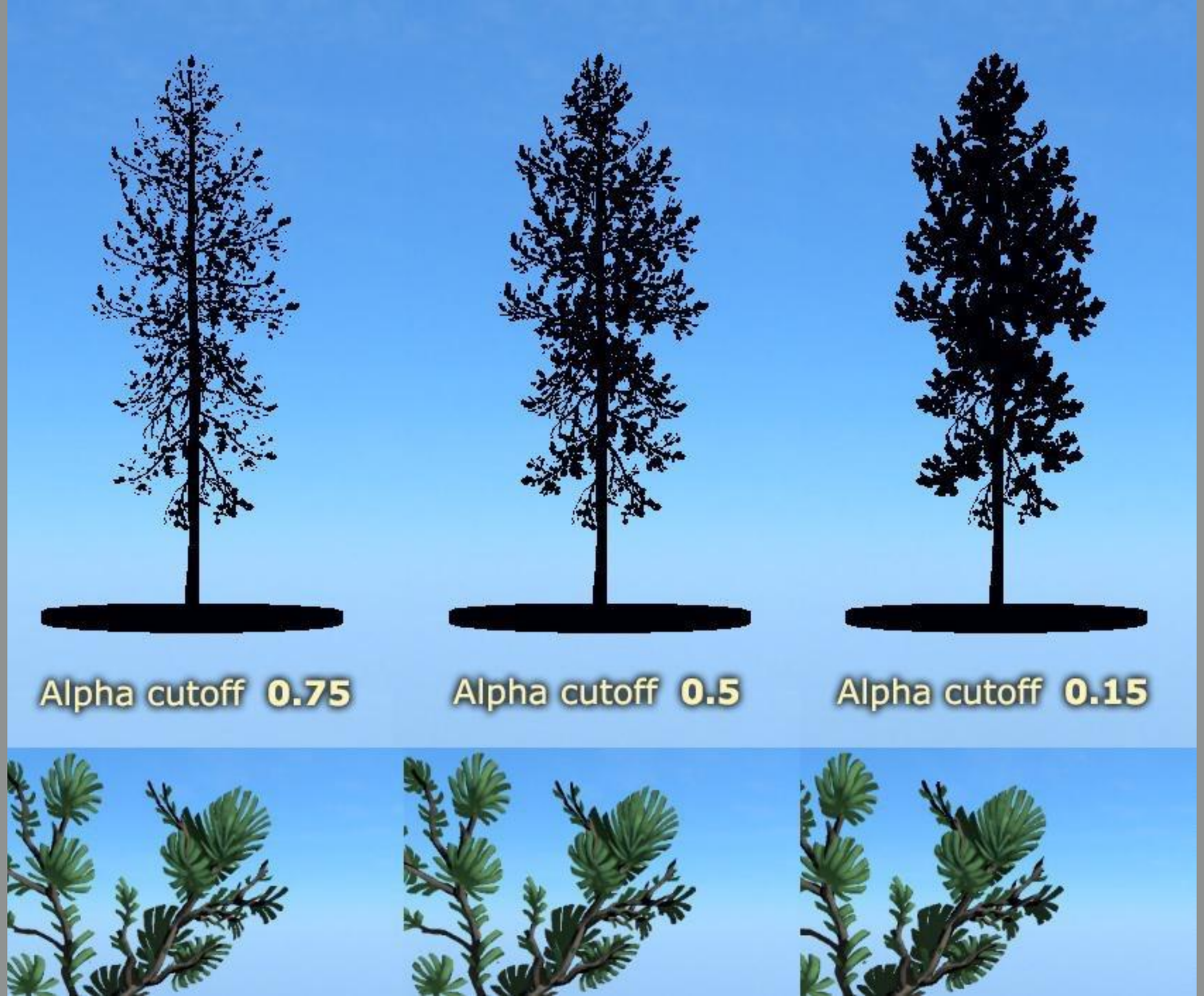
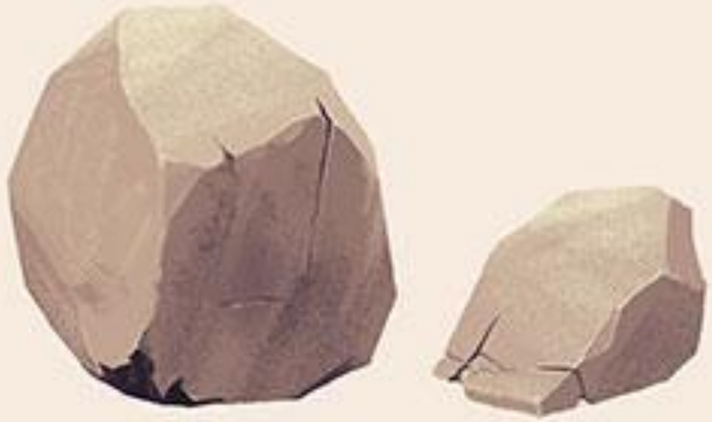
Alpha cutoff 0.5
Alpha cutoff 0.15


Alpha cutoff 0.75
Alpha cutoff 0.5
Alpha cutoff 0.15

Medium-Sized
Normal Rocks

Layered
Flat Rocks



Large Boulders

Grouped
Slanted Rocks

All rocks slanted at
same angle

Large, smooth planes

Small
Slanted Rocks

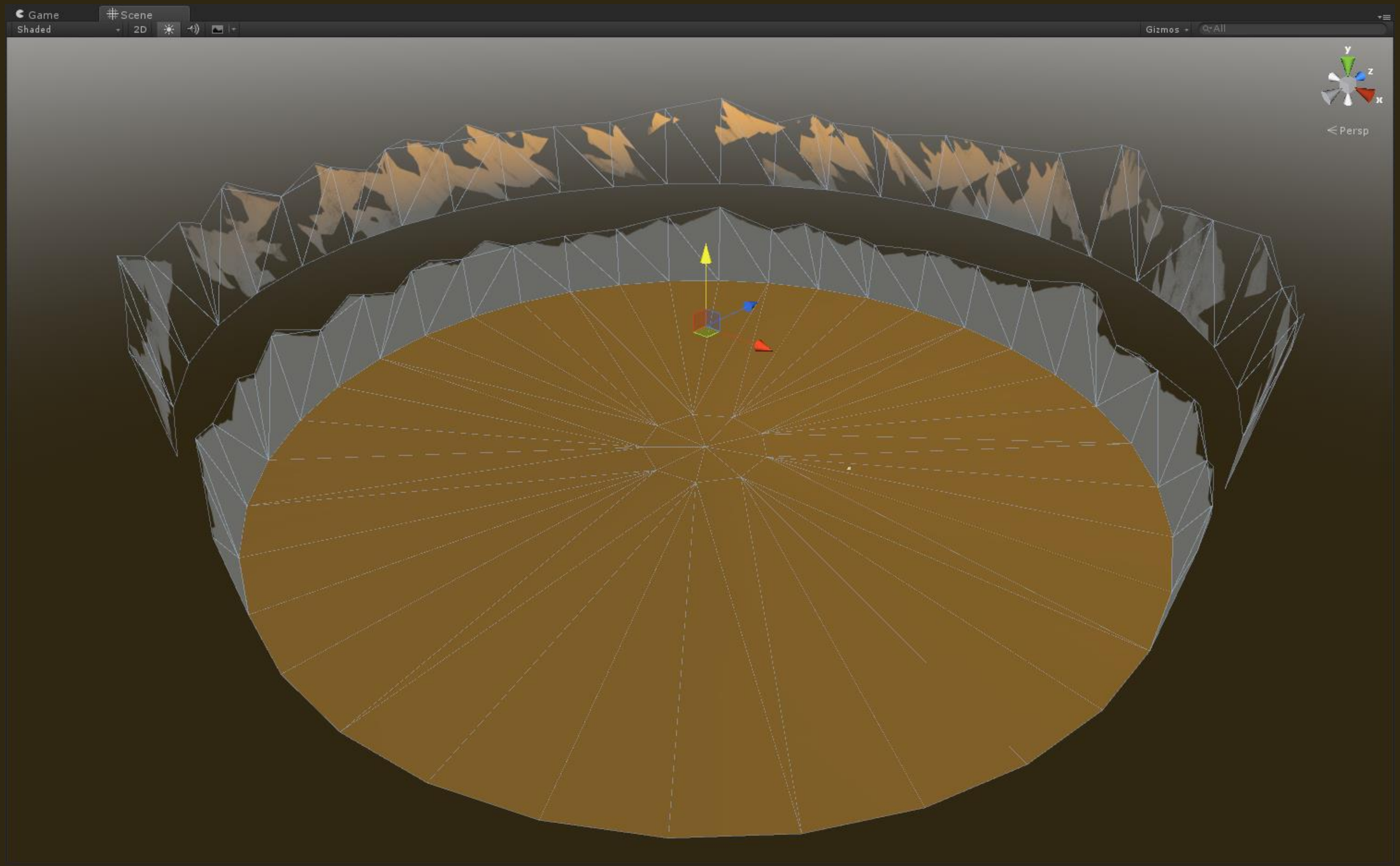
All rocks slanted at
same angle

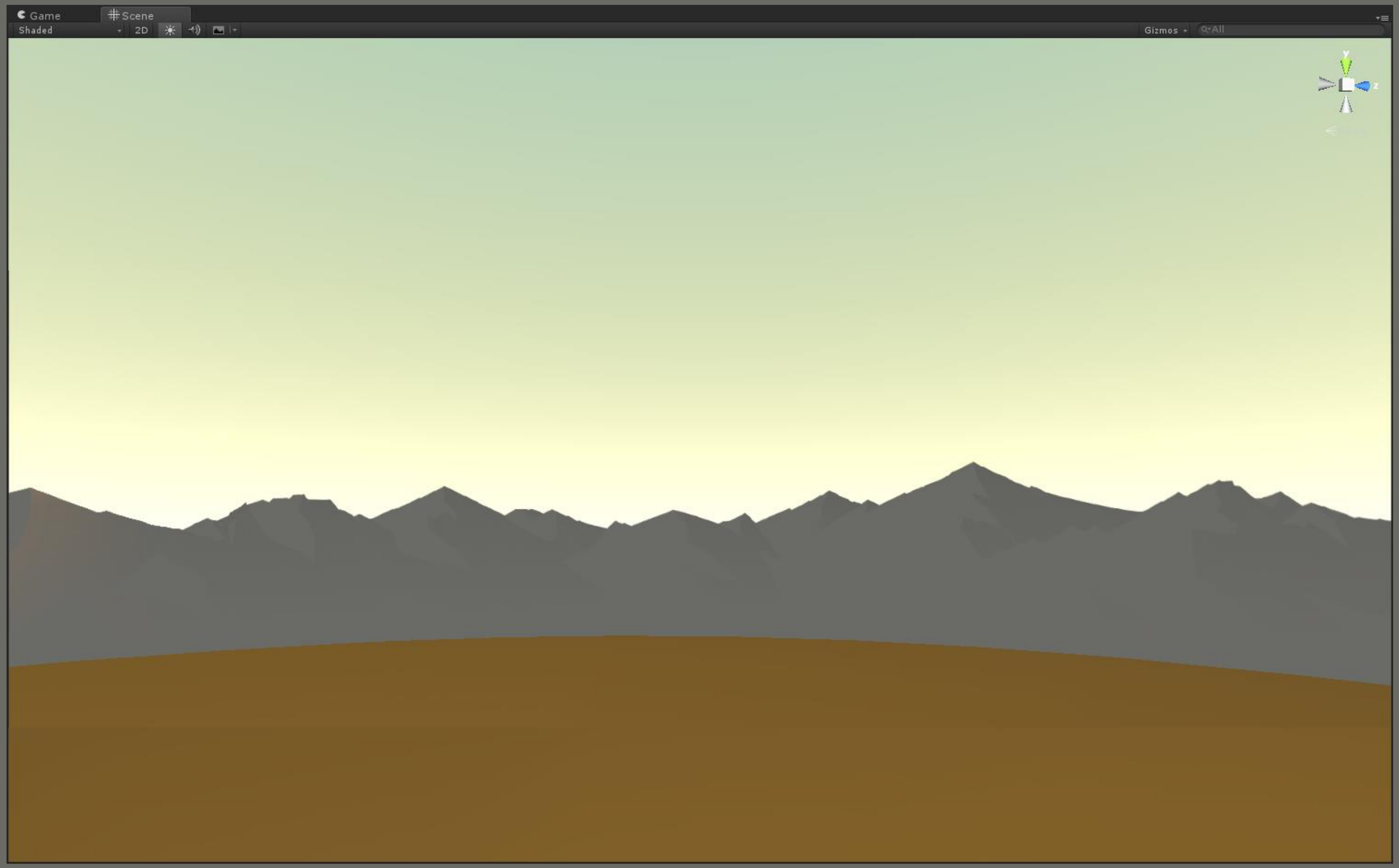
Large, smooth planes

Pebbles

Shapes Poking into negative space should be simple/sharp.

Imagine parallel diagonal lines that the rocks/basic shape conform to


Game
Scene
Shaded
2D
Gizmos
All
y
z
x
Persp


Game
Scene
Shaded
2D
Gizmos
Q-All

Aspect
Maximize on Play
Mute audio
Stats

HOT TIP #4

NARRATIVE DETAILS

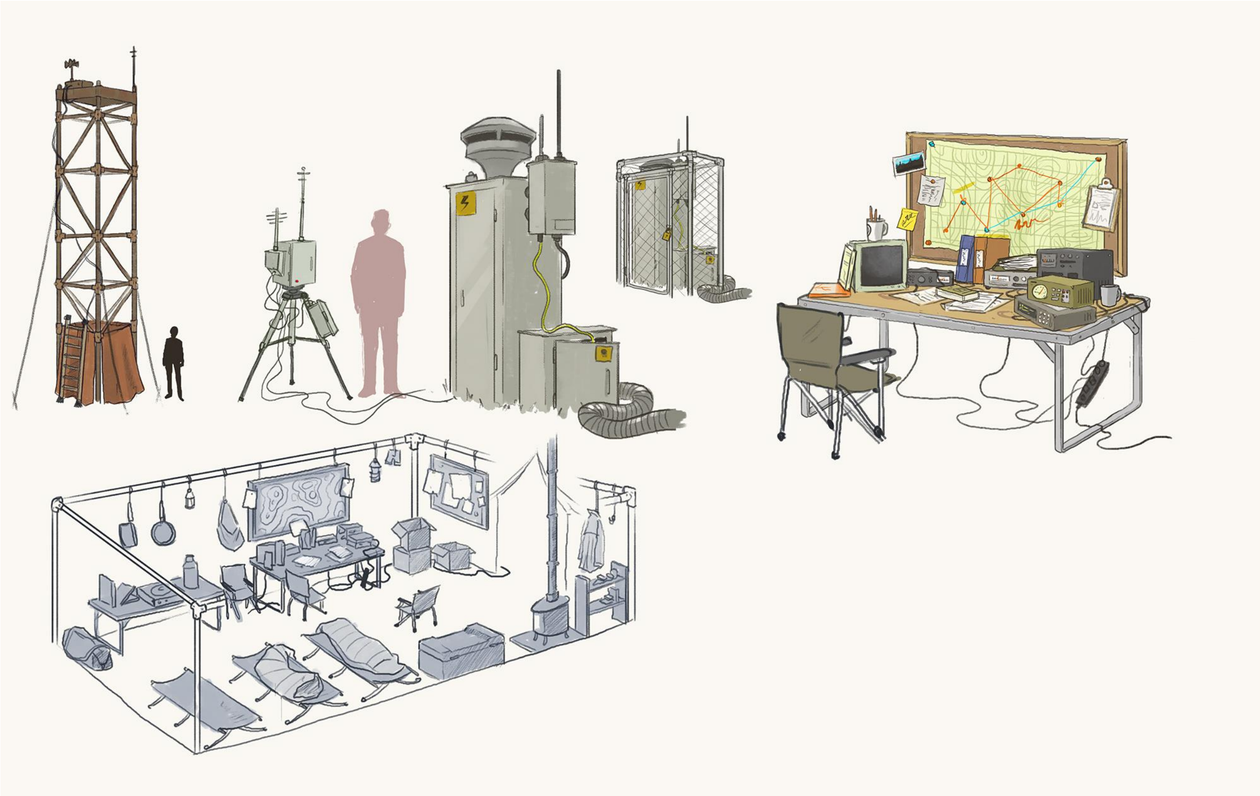
Whiskey
Pick Up
FERITTER
IRISH
SINGLE MALT
WHISKEY
RIGHTSTICK to rotate objects
TRIANGLE Keep Whiskey

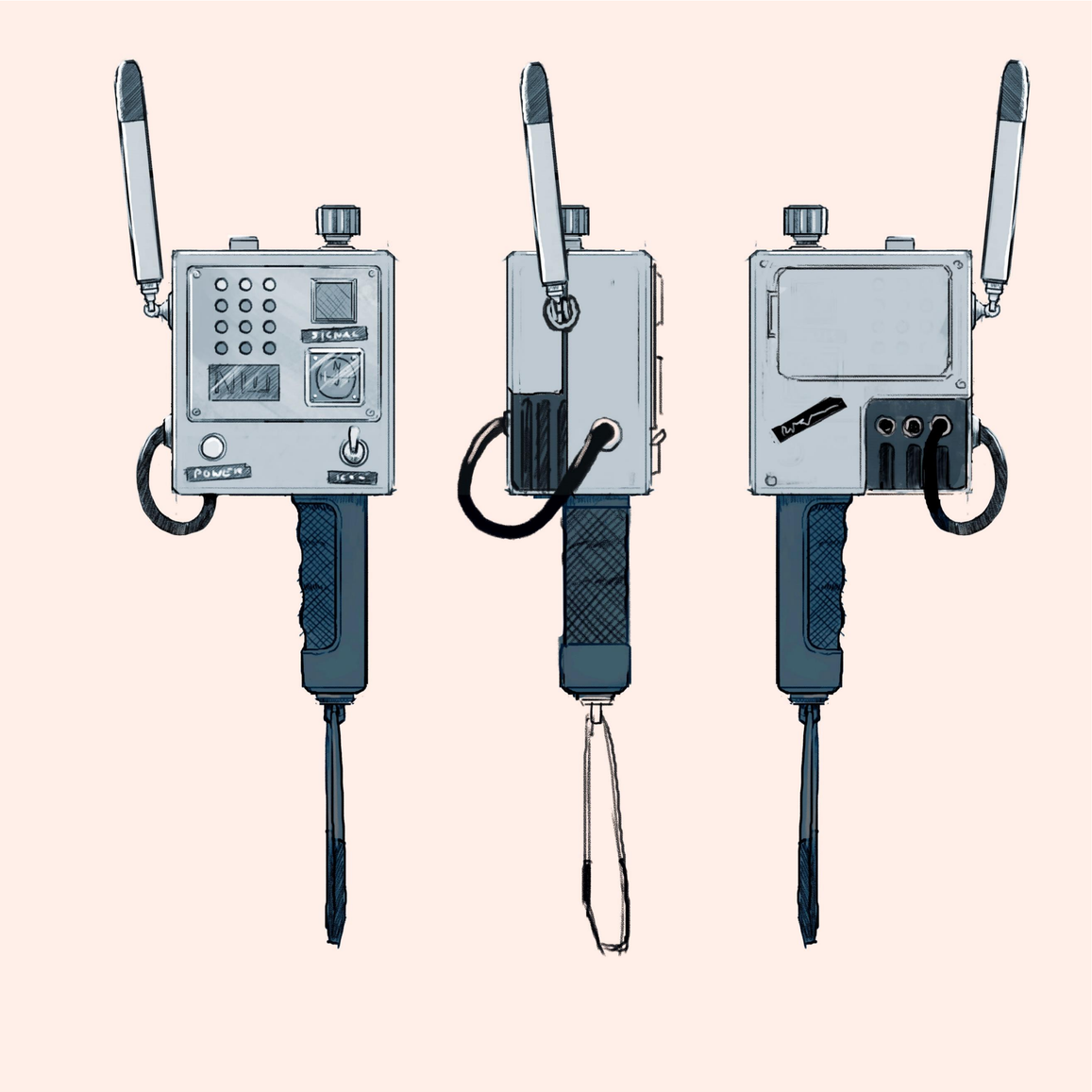
Remington

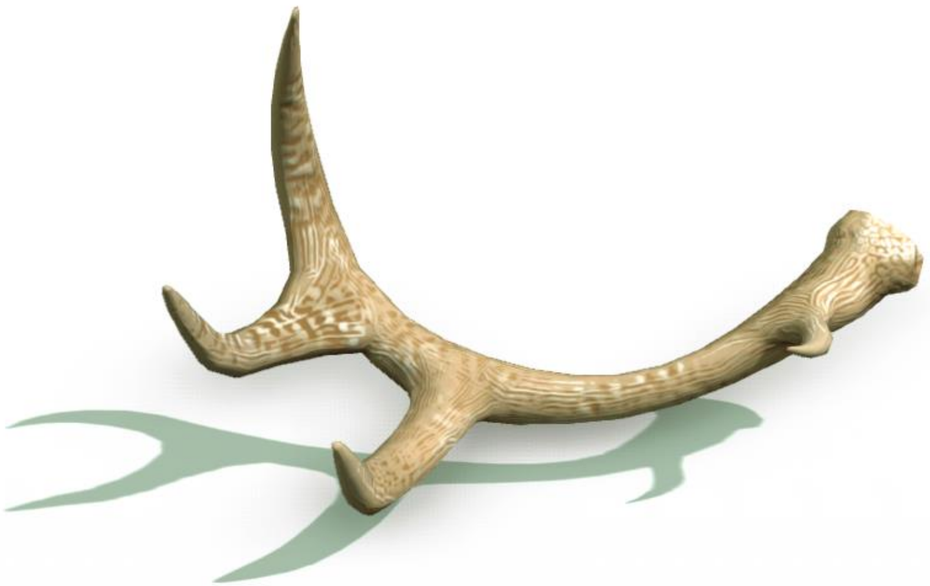
FERITTER
IRISH
SINGLE MALT
WHISKEY

Goldman

GENERIC
XP 3000




SIGNAL
POWER



DANGER
PROPANE
NO SMOKING
OR OPEN FLAME

Death Strikes at Two
Richard Burgess
MICHELLE MACMANUS
Glory
The Singular Mind
Dr. Jonas Allard
TERRENCE L. GREENBRIA
THE ACCIDE SAV
GEORGE SINCLAIR
The Birds of Wyoming

NO
TRESPASSING
GENERIC
XP 3000

HOT TIP #5

Embrace your limitations! Play to your strengths!

Do you have a question?
Let’s have some Q&A!

http://www.firewatchgame.com/

Our development blog:
http://blog.camposanto.com/

@thatjaneng jane@camposanto.com