

COLONY COLLAPSE

BAN USE OF NEONICOTINIDS



Major Project A

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June 2019

Table of Contents

Introduction	3
Website Purpose	3
Initial Site Map	4
Mobile Thumbnails	4
Web Thumbnails	6
Mobile Wireframe Diagrams.....	9
Web Wireframe Diagrams	12
Additional Content On Subsequent Pages.....	15
Mobile Rough Mock-Up	17
Web Rough Mock-Up.....	18
Graphic For Cell Phone App	19
Is CCD Just a “Bee Controversy”?	20
Conclusion.....	20

Introduction

Colony Collapse Disorder (CCD) is a worldwide problem effecting bee populations – and a major cause of it may be use of pesticides like neonicotinoids. CCD is a phenomenon that occurs when a majority of worker bees in a colony do not return to the hive -- and leave behind a queen, capped honey and a few nurse bees -- to care for the remaining immature bees. Repeated *sudden colony death* in honeybees has a major impact upon agriculture. Use of pesticides like neonicotinoids are a detriment to pollinators. We should all avoid use of them. Use of pesticides kills honeybees – and this is something we'd regret.

Recently, the [EPA banned 12 pesticides](#) that are like nicotine to bees. This is a good start, but more needs to be done, however. One possible step forward is to have an online petition – and that is the focus of this project. The health of bees is a good indication of the health of the environment in general, and we all have a stake in this. Banning neonicotinoids is a necessity, not only for bees, but for us as well. Bees pollinate 70% of all plants and the Global Economy is worth \$227 billion. It is important to *Save Bees*. Even wild populations are effected.

Website Purpose

The purpose of this website is to make the public aware of the problem stated in the introduction (use of neonicotinoids) and possibly sign a petition that could, in turn, be submitted to the Government.

Many stores have stopped selling Bee-killing neonicotinoids, as the plants in turn, produce nectar and pollen that is toxic to bees. Signing any petition is optional. There are scientists who are for and against banning neonicotinoids.

Site Map



Mobile Thumbnails

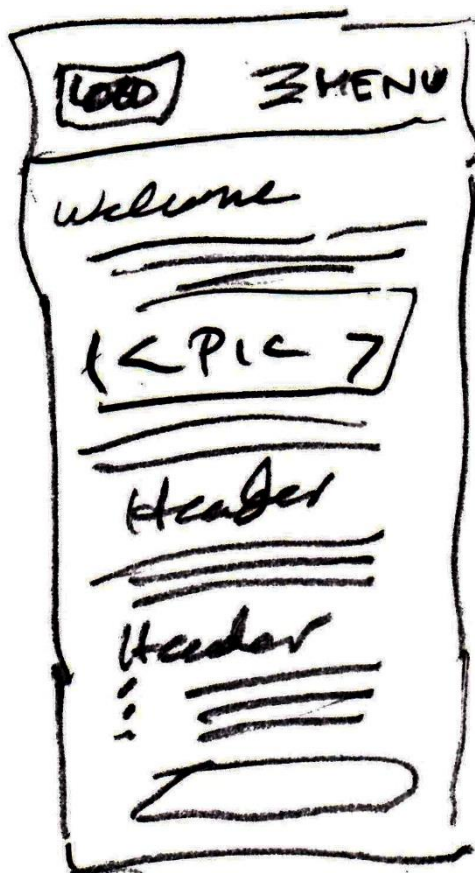


FIGURE 1

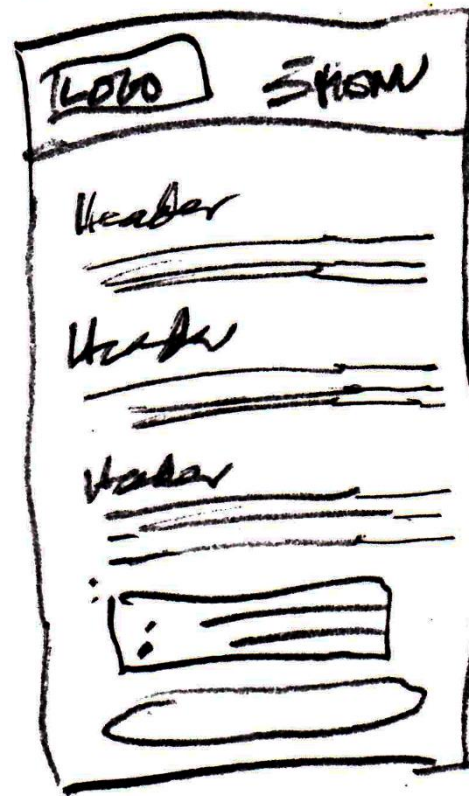
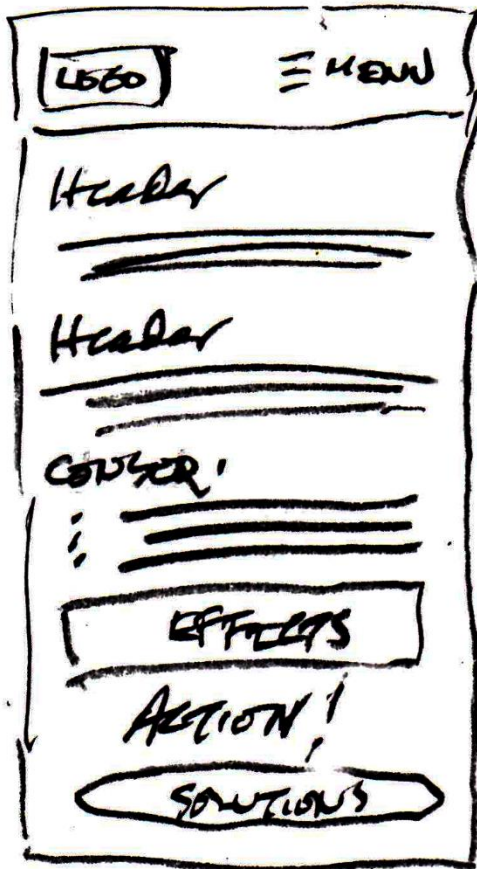
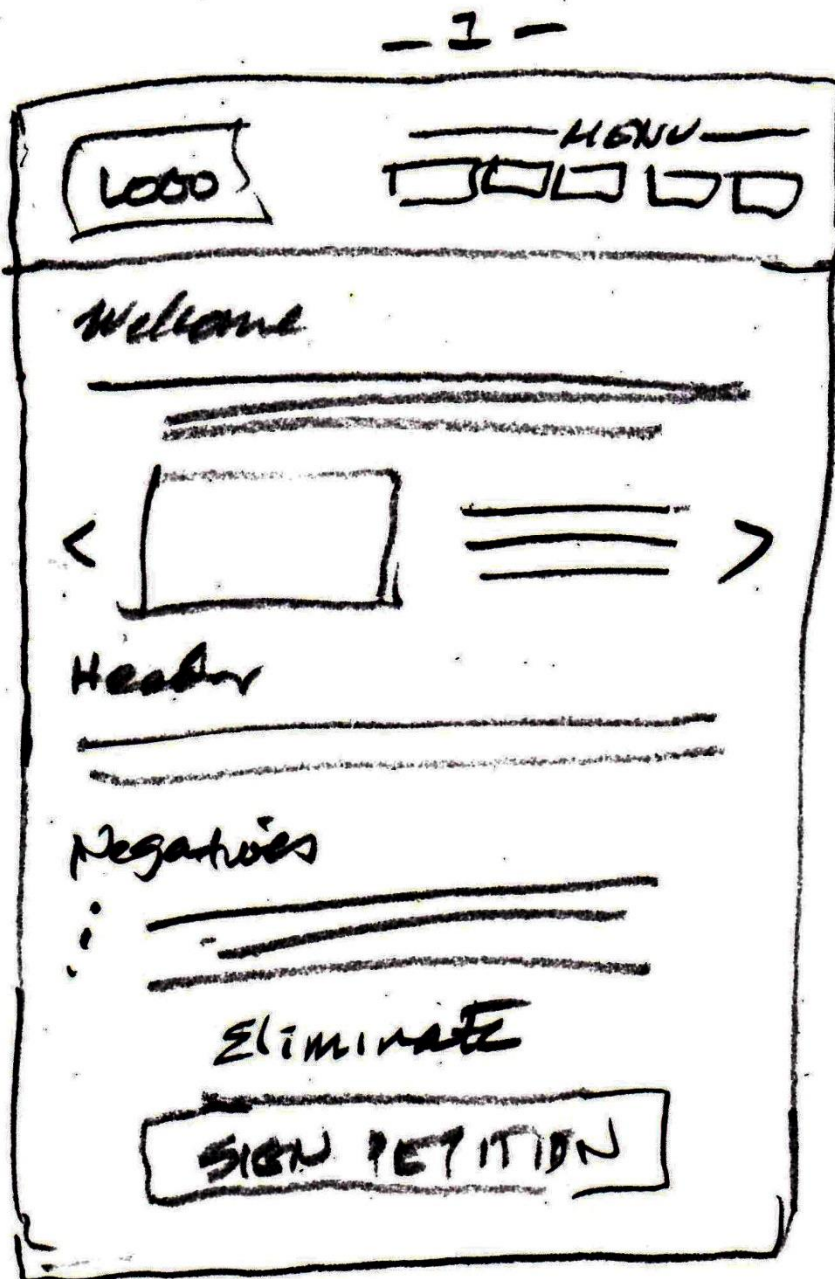


FIGURE 2

The homepage (home) has a button at the bottom that leads directly to the CCD Petition page (figure 1), and the Colony Collapse Disorder page (figure 2) has a page button at the bottom that leads directly to the next page (causes). All subsequent pages, with exception of the CCD Petition page, have a button at the bottom that leads to the next page.



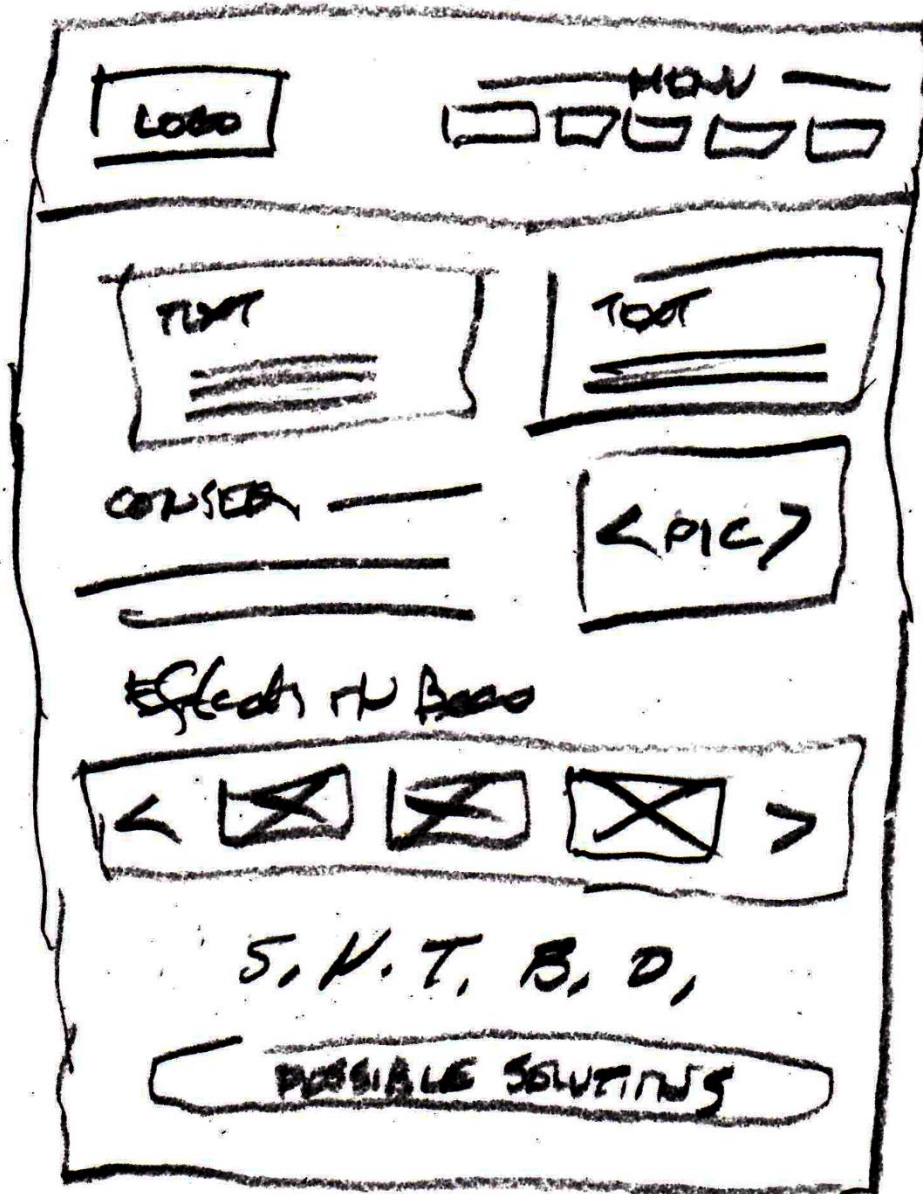
Web Thumbnails



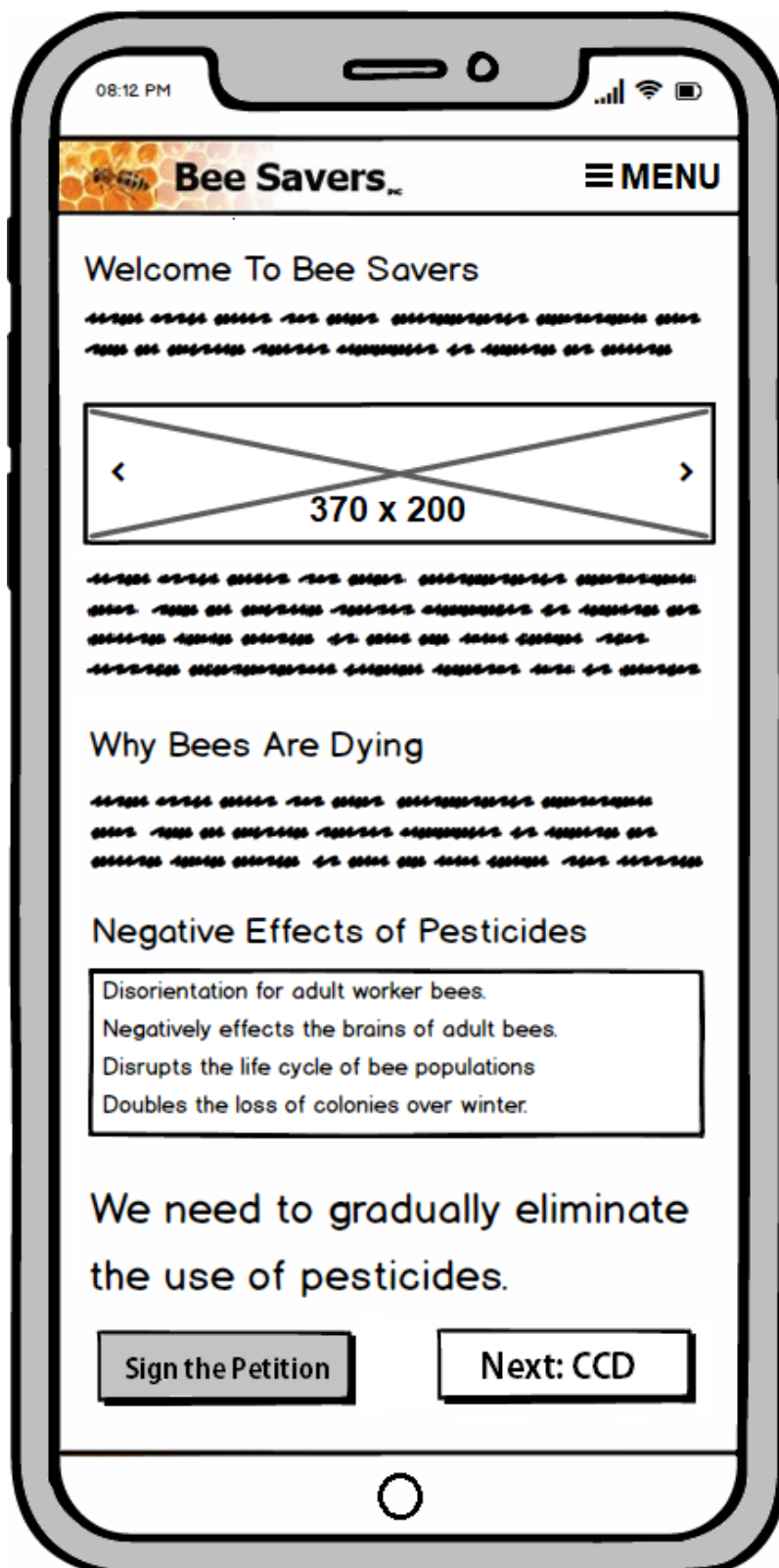
-2-

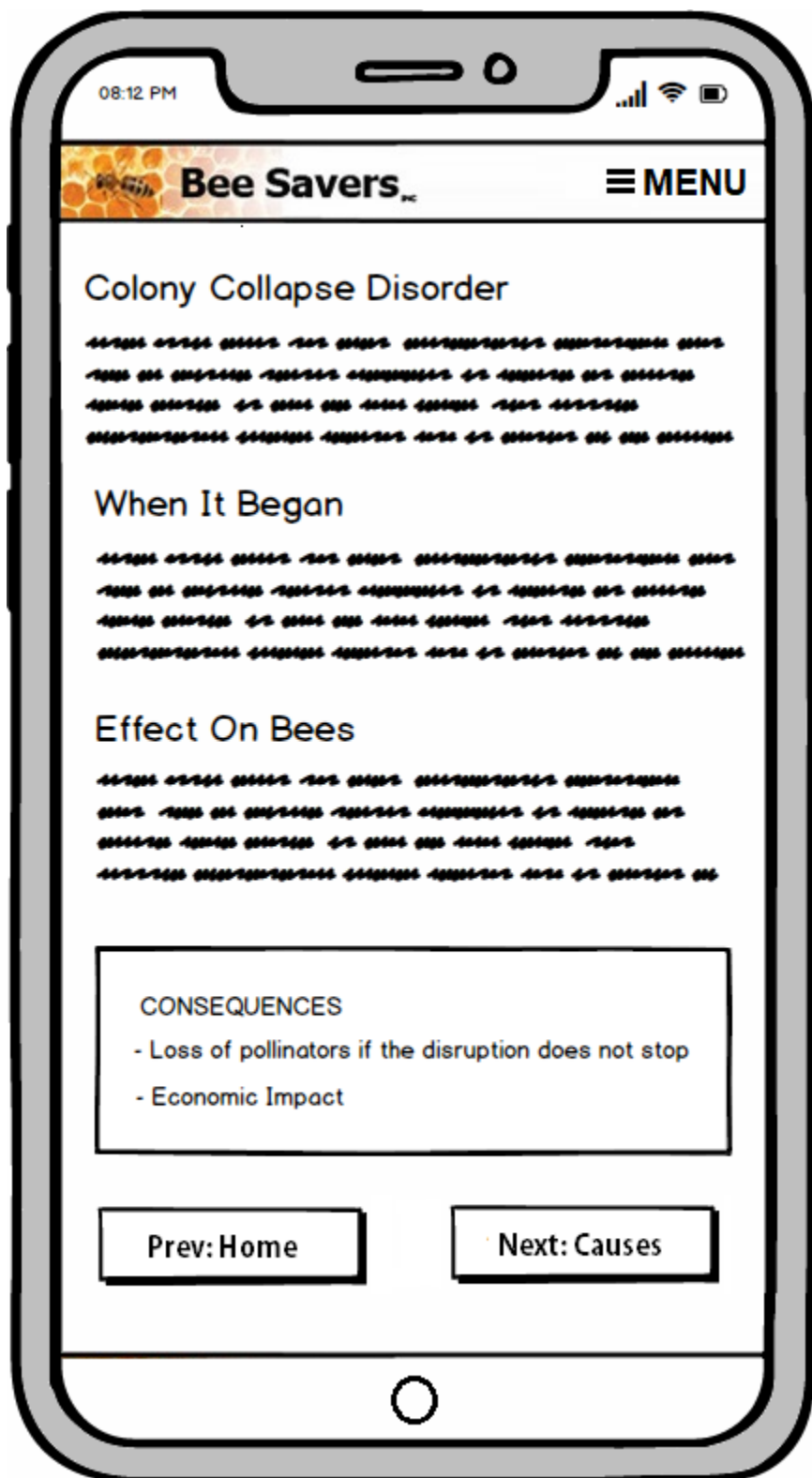
NEW	
LOGO	
Header	
Header	
Header	
CONSIDER	
:	
CAUSES	

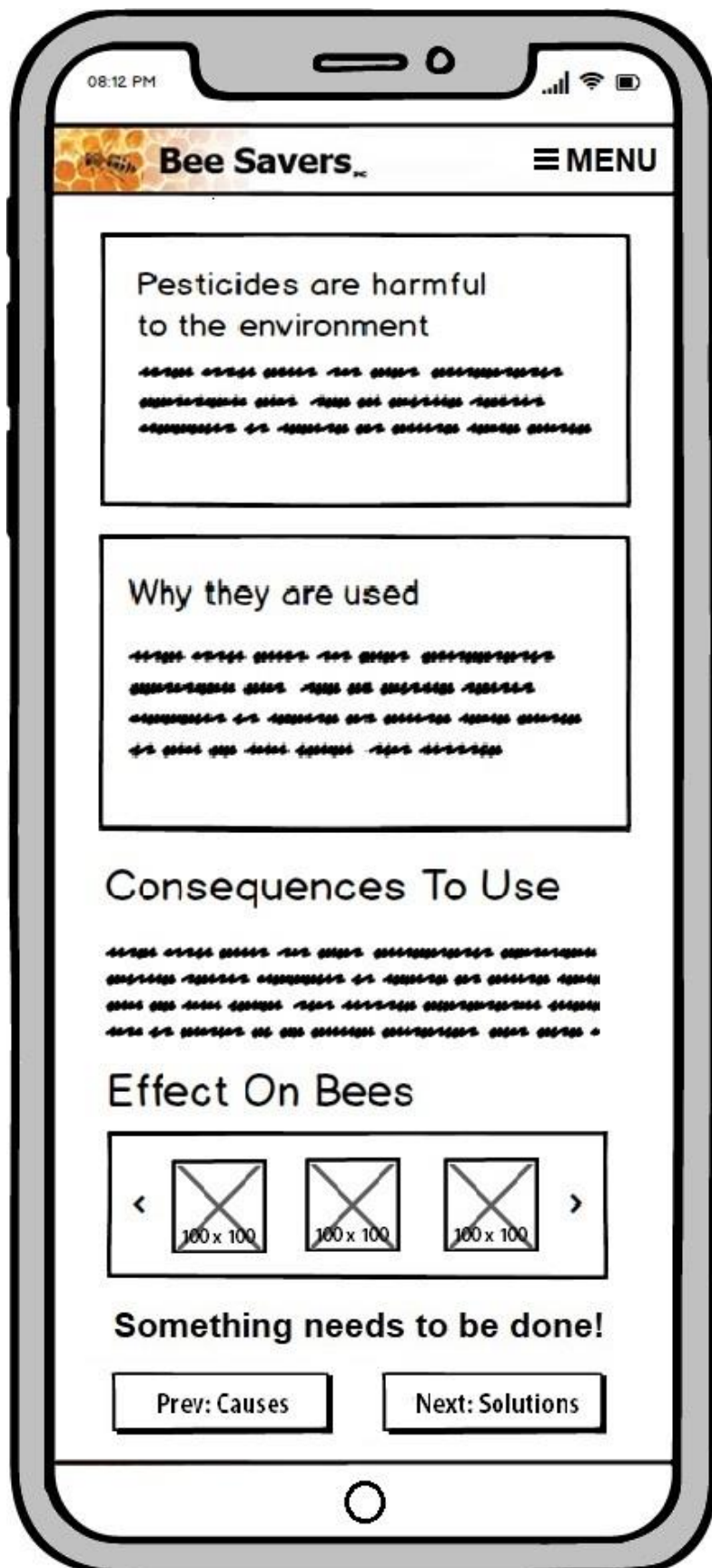
- 3 -



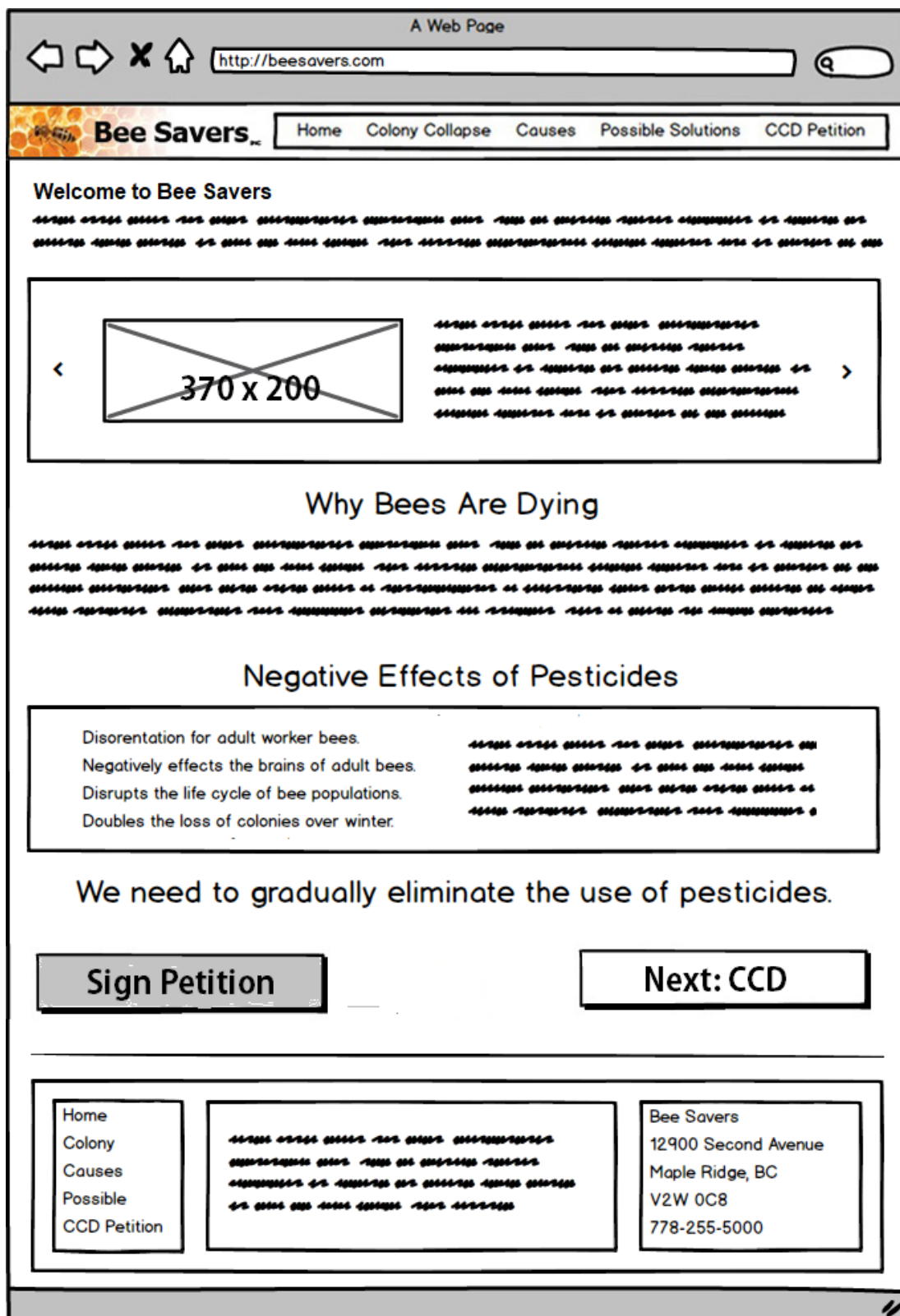
Mobile Wireframe Diagrams

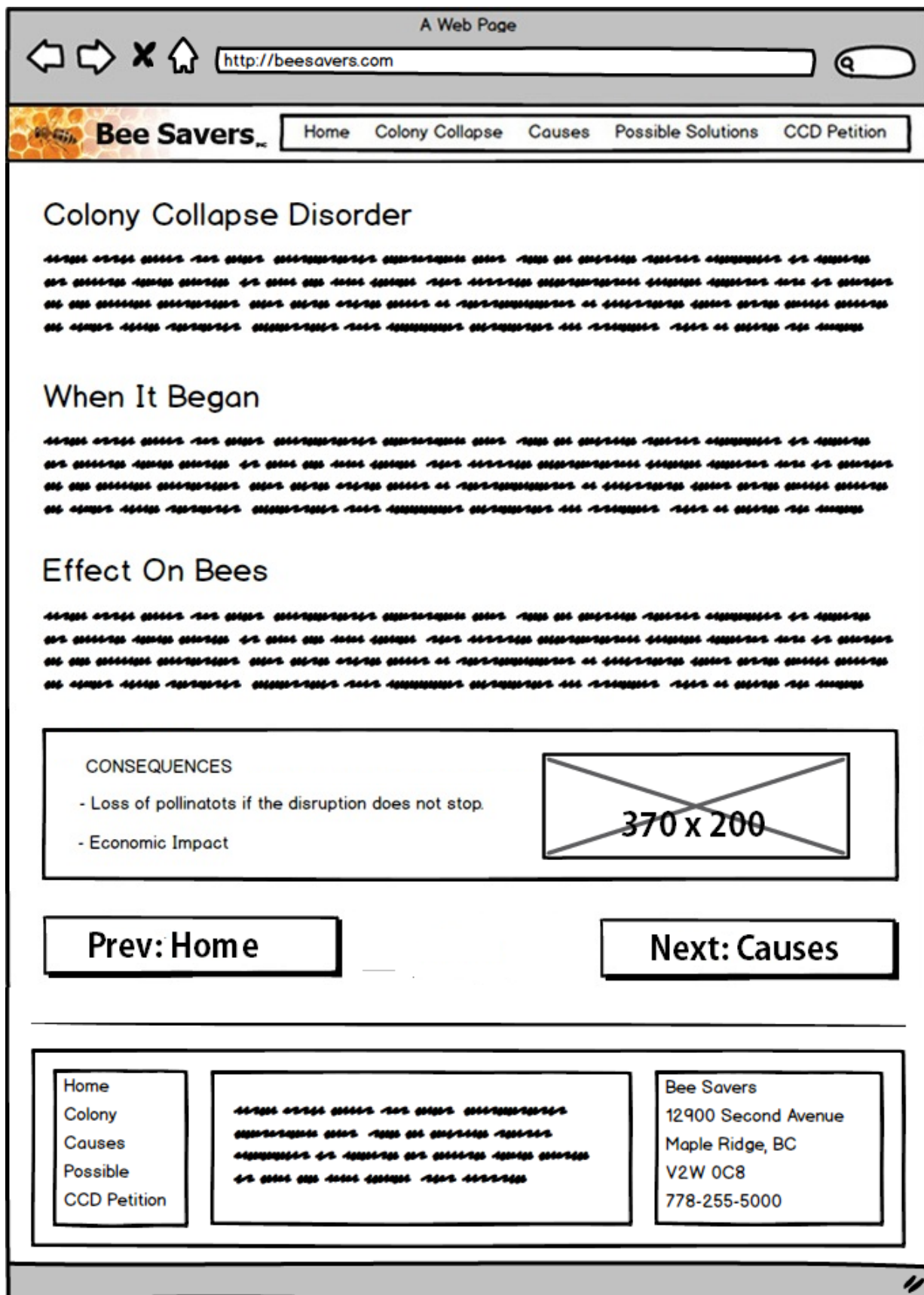


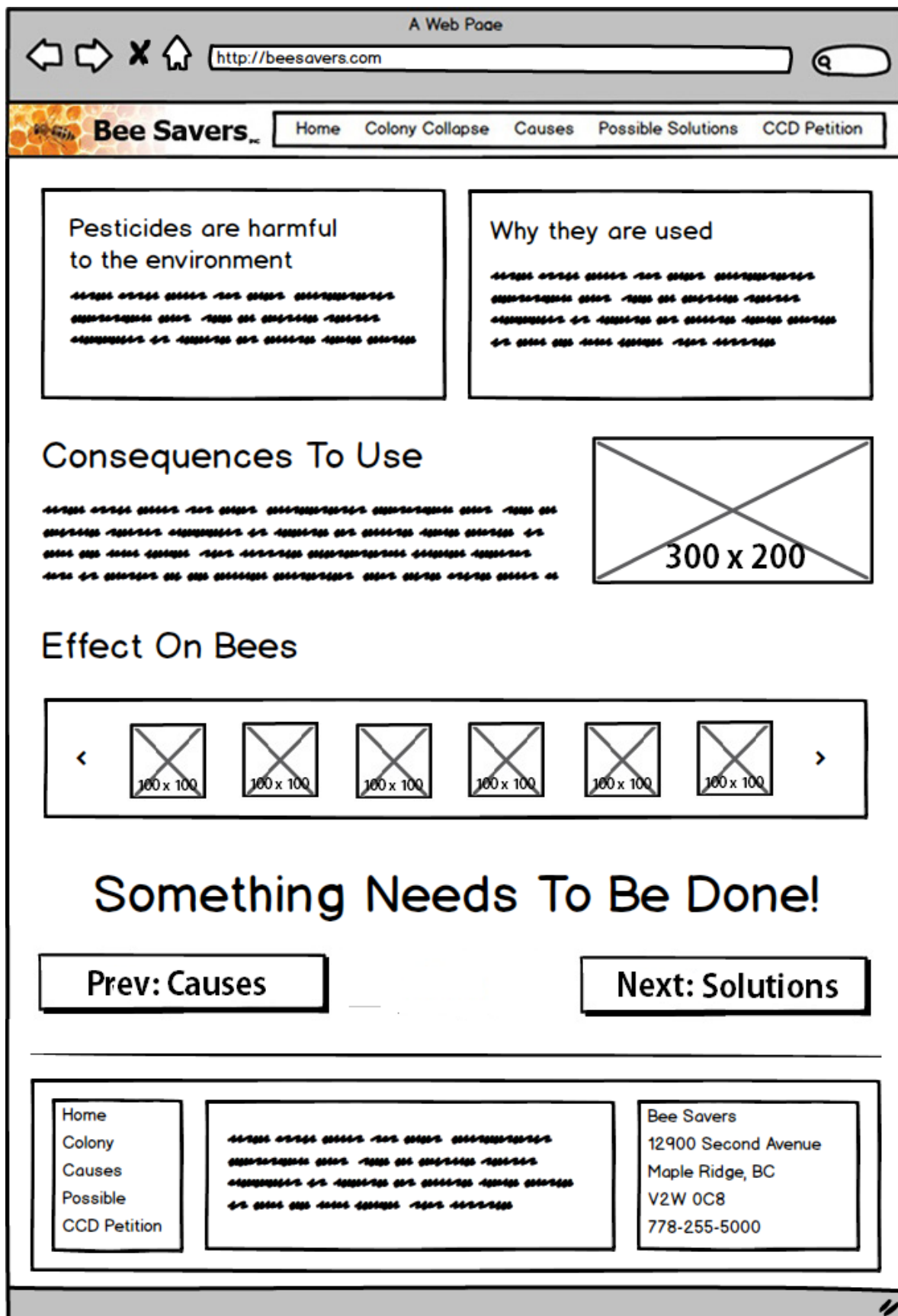




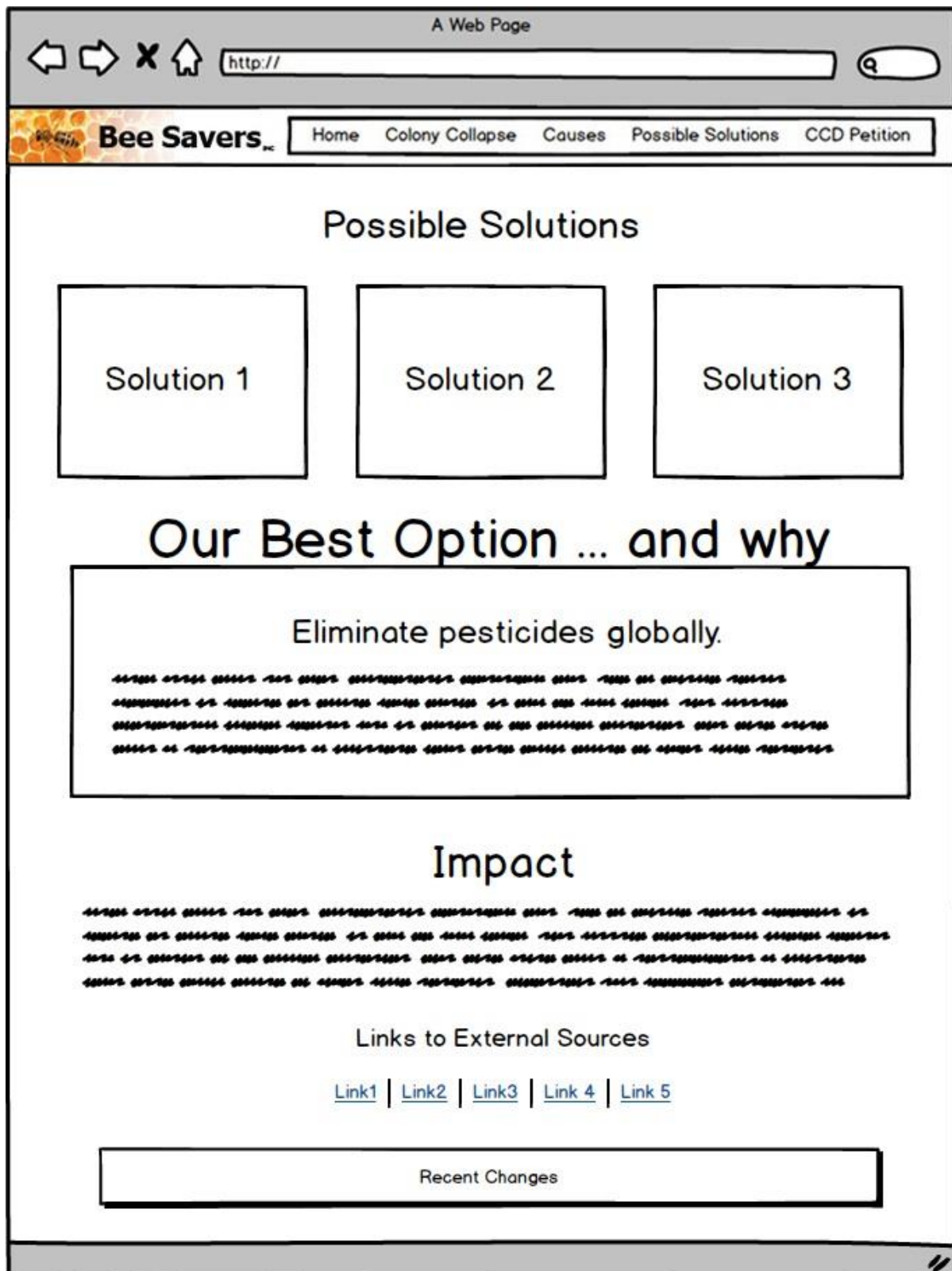
Web Wireframe Diagrams







Additional Content on Subsequent Pages



A Web Page

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Bee Savers_{inc}

Home
Colony Collapse
Causes
Possible Solutions
CCD Petition

Scientific Findings About The Cause of CCD

Researcher's findings suggest that the primary cause of CCD is the use of neonicotinoid pesticides. These pesticides are highly effective at killing bees, even at very low concentrations. The research also indicates that the use of these pesticides is increasing rapidly, which is a major concern for beekeepers and environmentalists alike.

More Pesticides Need To Be Eliminated

In addition to neonicotinoids, other pesticides such as organophosphates and pyrethroids are also known to be harmful to bees. These pesticides are used in a variety of agricultural settings, and their use is also increasing. It is therefore essential that we take action to eliminate these pesticides from the market.

Here's Why ...

The use of pesticides is a major threat to the health of bees. Pesticides can kill bees directly, or they can weaken their immune systems, making them more susceptible to diseases and parasites. This can lead to the collapse of the colony, which is a major problem for beekeepers.

Sign The Petition

Petition Form

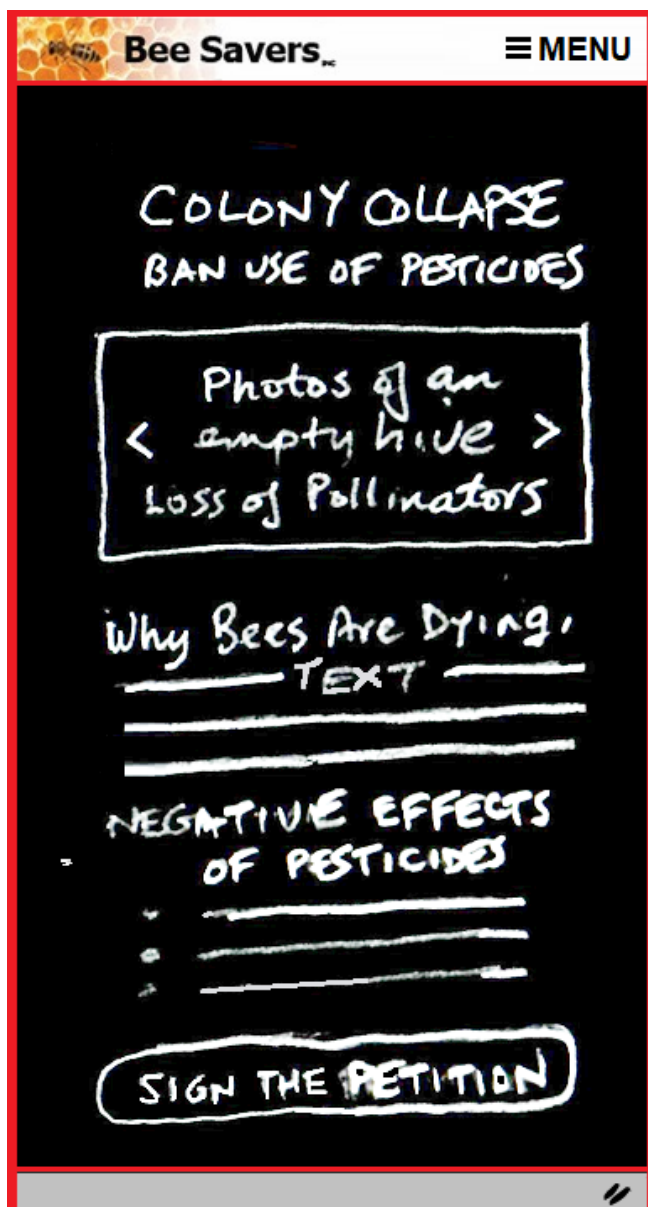
First Name:

Last Name:

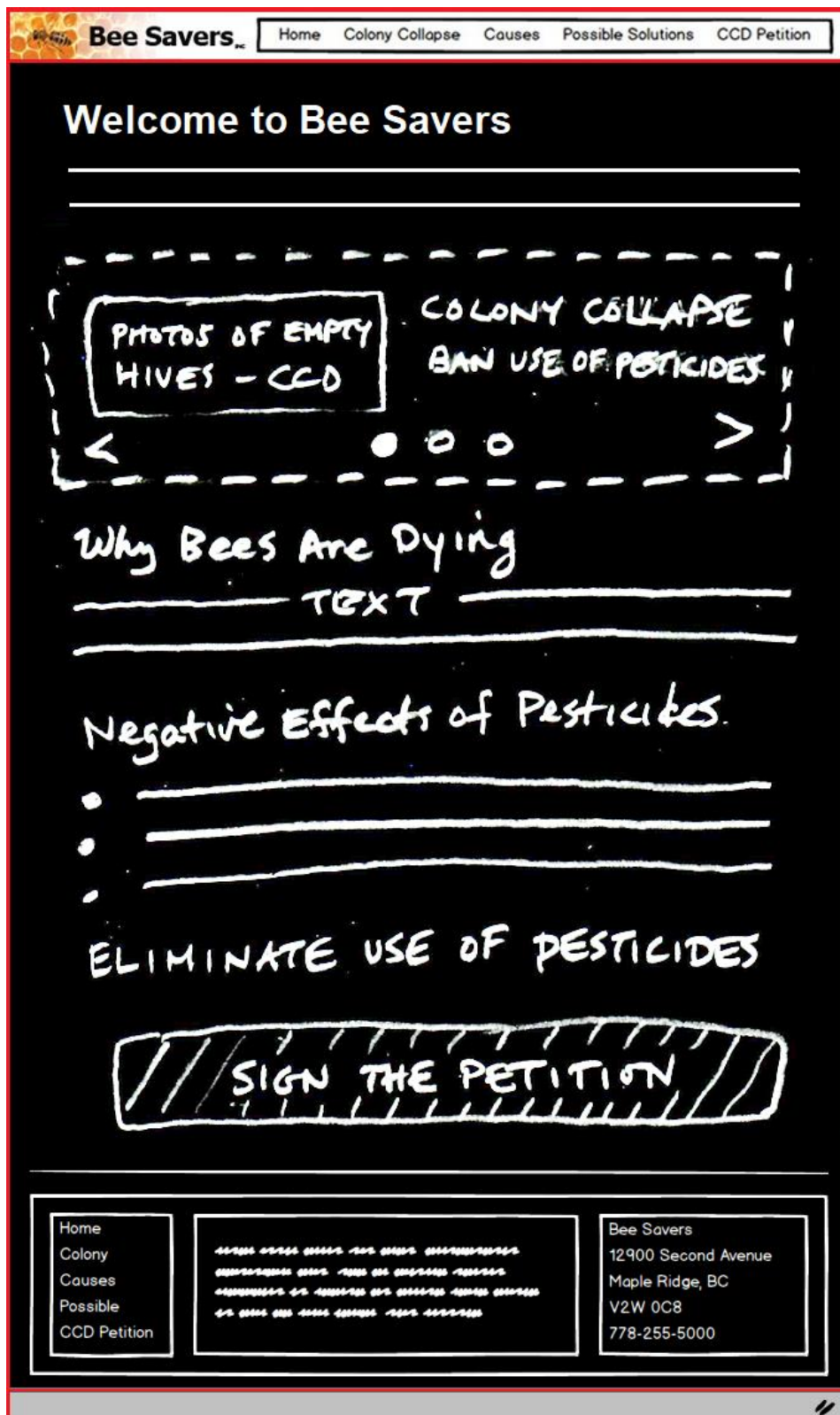
E-mail:

Mobile Rough Mock-Up

The colors used on the website are black, white and red. As pictured, the foreground text is white and the background color is black. The photos themselves would have a white outline, with a black inner space. The site is signed in such a manner for ease of readability. Use of color is minimal. The site colors would include orange as well (i.e. bee colors). All of the headers include an image of a worker bee,



Web Rough Mock-Up



Graphic For Cell Phone App



Is CCD Just a “Bee Controversy”?

Like my grandfather before me, I was a beekeeper in the late 70s. I even took a hive into my high school English class (it was no longer active). Today, I take an interest in the well-being of honeybees, as without them, a lot of food would disappear. Is Colony Collapse Disorder really of concern? Pesticides are linked to CCD, and are now considered the main cause, and the toxic effects of Neonicotinoids are confirmed. It is just a question of toxicity. To some, CCD is just be a “bee controversy,” despite the fact that western honeybee populations have been increasing. One thing is for certain: it is not seasonally restricted, and that it may not be a “disease” in the standard sense. In 2016, the Environmental Protection Agency conceded that “neonics” effect bees negatively.

Conclusion

Bees can suffer from a wide variety of maladies and Colony Collapse Disorder is not the only cause of losses in bee populations. One must, however, remember that in CCD, bees do not return to their hive with any pollen and/or nectar that they collect – and use of pesticides is one cause of this. Whether one buys it in a local plant or hardware store or the pesticide is applied on an industrial scale, the result is the same: a decrease in worker bee populations. When hives weaken too much, other bee colonies will rob it of its “treasure,” as bees are fiercely competitive. (I know this from experience.) This can lead to further loss. Honeybees, however, cannot stop the use of pesticides. We can!