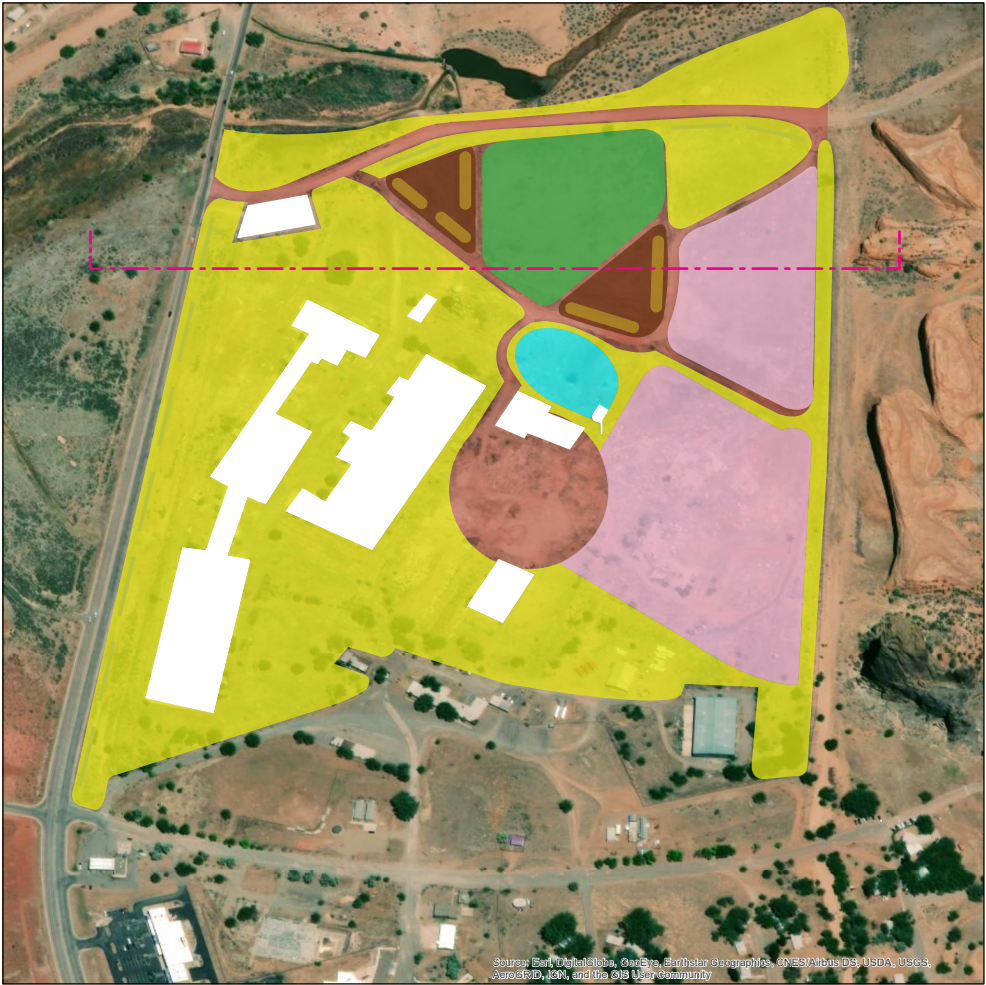




Navajo Regenerative Growth Initiative

Carlos Gomez

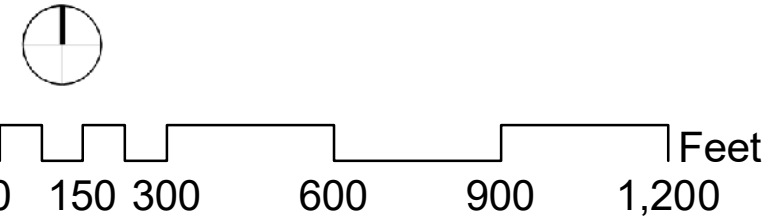


Year 1

- Sunflowers fields with shade trees—flexible areas
- Art walls by local school children
- Bio-remediation of sawdust piles
- Worm box composting under shade structures
- Community agriculture

Results

- Increase soil health
- Seasonal grazing of sheep
- Educational programs in local schools
- Public art by local school children
- Increased water holding capacity in the soil



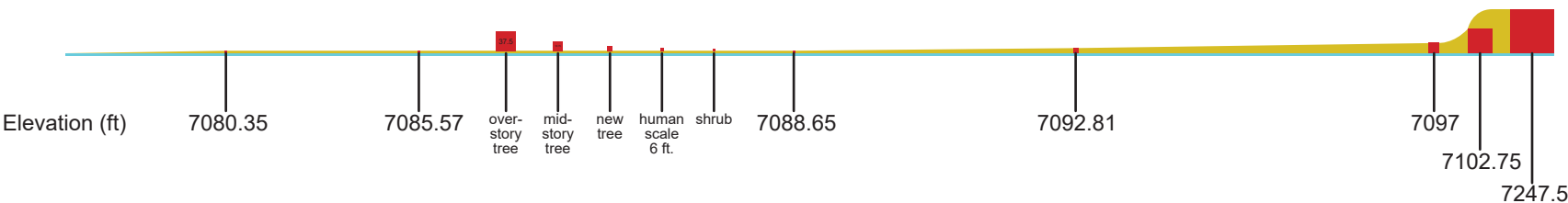
Navajo Regenerative Growth Initiative

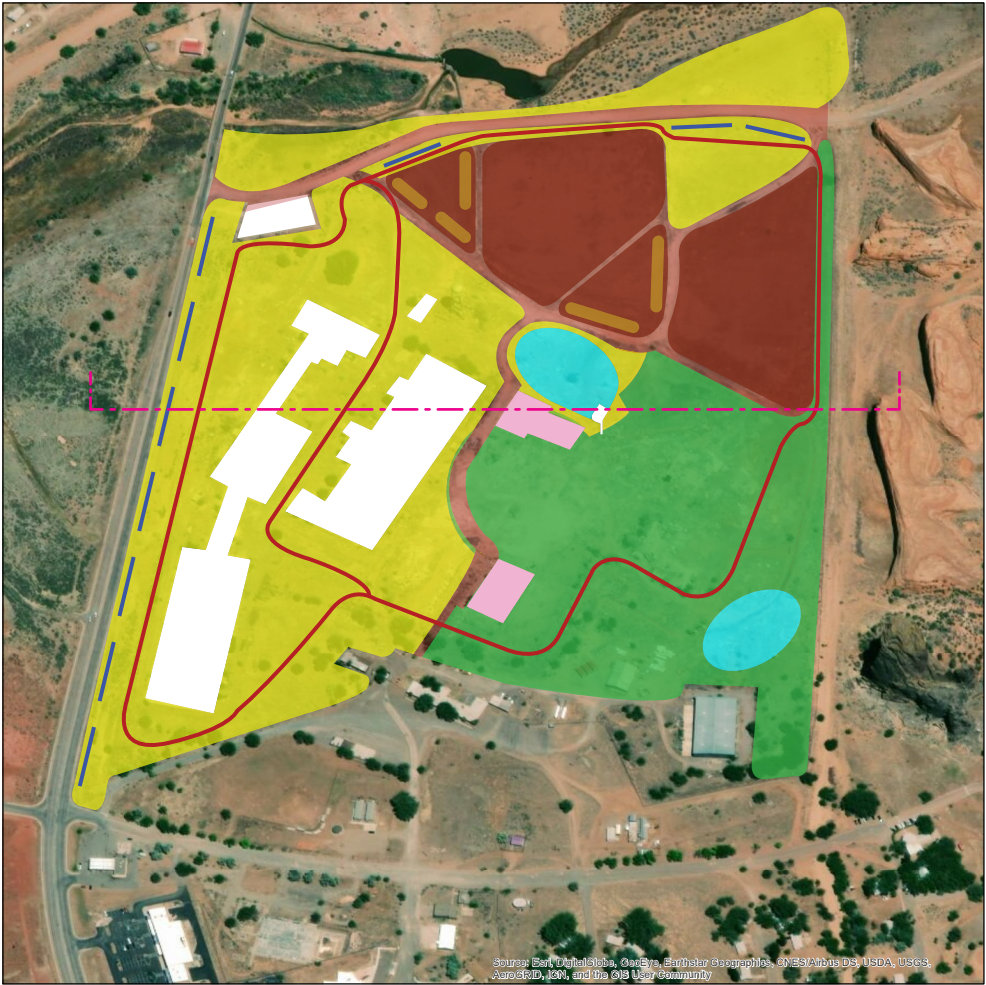
Carlos Gomez

Navajo Regenerative Growth Initiative (501C3) will develop, implement and support community-based practices that increase healthy soil, forest, and human community. The 100-acre remediated site will serve as an incubator for initiatives and a visual signal for three areas of growth:

1. Soil Health
2. Forestry & Agricultural Health
3. Community Health

Soil Health will be the first area of growth to gain implementation and visual presence. Soil health increases with the addition of organic matter. Organic massing can occur on-site via a community-based compost program that partners with local schools and businesses to collect organic wastes separated from normal waste streams of cafeterias and dining establishments. The collected material will go through organic processing with the use of worm boxes housed on-site beneath shade structures to convert the waste to soil. Bio-remediation of the large sawdust mounds to the east of the site will provide another inexhaustible source of organic matter. A mass planting of sunflowers on the perimeter of the site along with artistic representations of the biological processes at work by local school kids will signal the positive changes to look forward to with the increase in soil health. Seasonal grazing by sheep will factor into the yearly cycle of the site. The rise in soil health will not only aid in soil microbial diversity and health but increases biodiversity both above and below the soil surface, increasing the soil's water-holding capacity and sequestering carbon at greater depths. In this way, acting locally will draw down climate-damaging levels of atmospheric CO2 and help reverse human-caused soil loss across the globe.



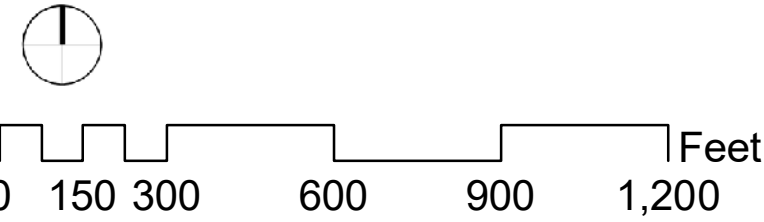


Year 5

- Larger scale compost production
- Tree nursery in operation
- Retention Pond
- Nursery support buildings
- Walking trails through planted areas

Results

- NRGI one of many agents of change
- Increased community-based initiatives on-site
- Regenerative forestry programs underway
- Regenerative practices employed on other sites



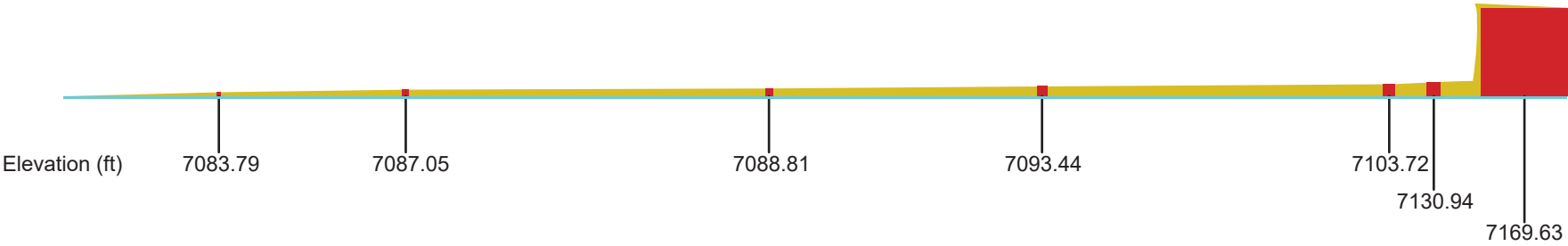
Navajo Regenerative Growth Initiative

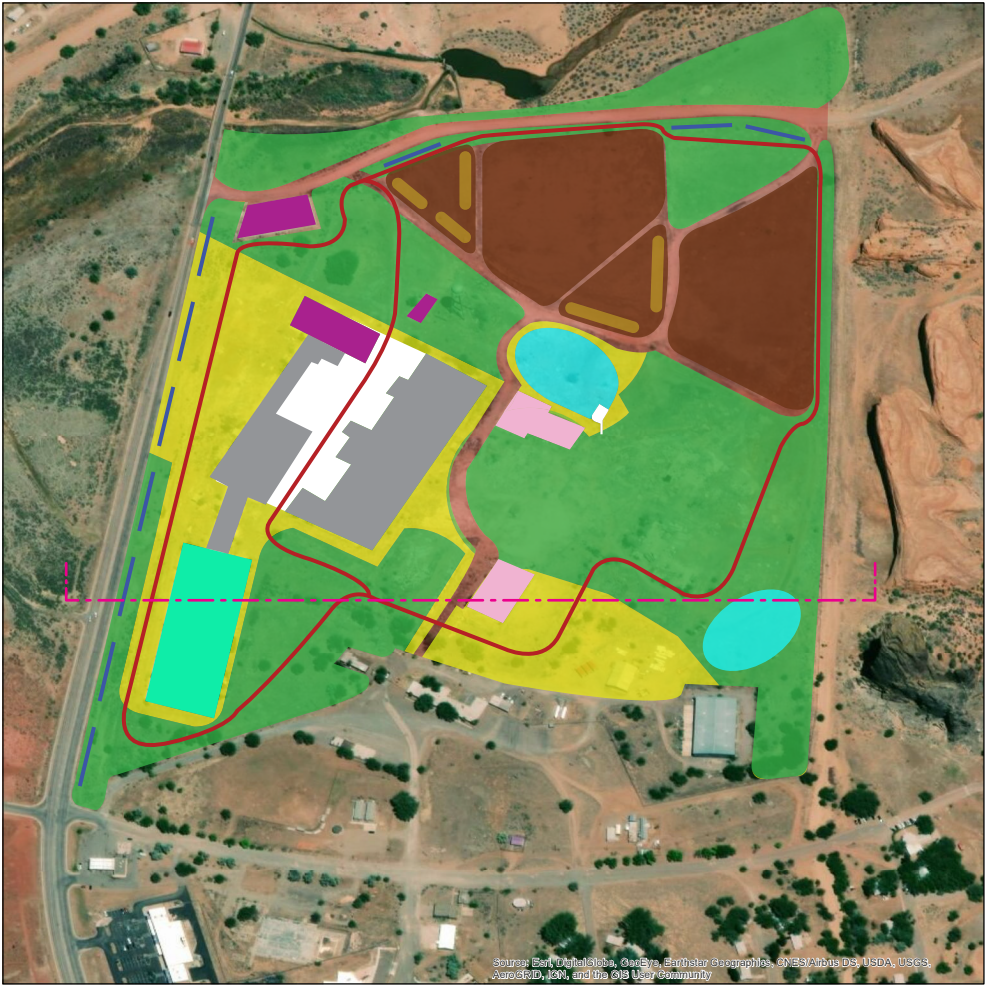
Carlos Gomez

Forrestry & Agricultural Health will be an area of growth closely following the success of soil regeneration initiatives and increasingly striving to meet human needs in an ecologically regenerative way. By year 5 of the project, surplus yields of organic compost produced on-site will become available for use by a larger community of agricultural producers. Additional goals for year 5 are for:

1. The Navajo Regenerative Growth Initiative to be one among many agents of change in the community
2. Educational campaigns, on-going sustainable land use workshops, and partnerships with primary school and university systems to prepare local agricultural producers in the methods of soil regeneration for crop sustainability and resiliency
3. A tree nursery operation and orchard on the site to serve the professional and amateur agricultural community from in and among Navajo and provide measurable economic stimulus to the area
4. Trees grown on-site to constitute a new generation of forests that will restore damage from logging, protect biodiversity, prevent flooding, and suck up more planet-warming carbon

The 100-acre site, having gone through a transformation from the disturbed industrial ground to a laboratory for regenerative development will be a base from which other neglected sites in the area can receive expert considerations with regards to ecology, hydrology, geology, climate, land-use history, successional staging, and much more.





Year 10

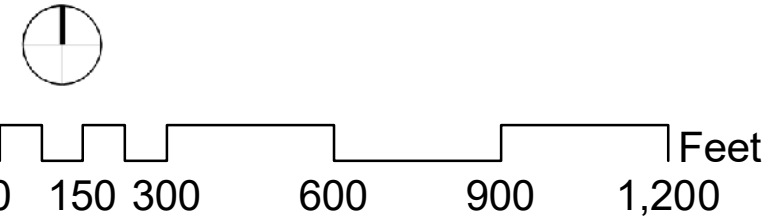
- Campus buildings with a central plaza
- Tree nursery expands in support of forestry
- Processing areas for sustainable timber harvest
- Regenerative architecture production area
- Welcome Center

Results

Community confidently leading regenerative practices in communities across New Mexico

Measureable and significant social and economic gains

NRGI hires a full time staff for regenerative forestry initiatives, community rebuilding efforts, businesses operations and campus grounds maintenance



Navajo Regenerative Growth Initiative

Carlos Gomez

Community Health will be a constant concern and the ultimate measure of the project's success. Working toward the most ecologically and economically responsible land development decisions will have immediate impacts on community morale. Beautification projects will provide hope and alternative perspectives by which the community can see itself. Partnering with local schools and businesses will begin the process of coalition-building for organizing the community toward a more positive vision of itself. Year 5 will bring social and economic gains by way of organic compost material and a budding nursery business serving a wide geographic area. By year 10, the added stimulus will allow the Navajo Regenerative Growth Initiative to hire a full-time staff including trained Regenerative Foresters and Visual Communicators from among its community constituents. The organization will make a home in a campus setting that includes a health and nutrition clinic, classrooms, a computer lab, art studios, and a maker's space. A significant portion of campus devoted to the practice of regenerative architecture will engage the community's successes in planning and natural systems regeneration toward rebuilding the town of Navajo in a more culturally attuned manner. At year 20, trees planted in previous decades will drive the town's regeneration to an economy based on locally sourced agricultural products including sustainably grown and harvested wood that is free of petrochemicals and other cancer-causing agents. By maintaining a regenerative growth paradigm, the Navajo Regenerative Growth Initiative will continue to stand the test of time.

