Toward a Regional Plan for the Texas Hill Country

The University of Texas at Austin
Community and Regional Planning
The University of Texas at Austin

The University of Texas at Austin School of Architecture vision is to be the most influential School of Architecture in the world. Our programs are highly regarded because we combine intellectual curiosity and ambition with professional prowess. To maintain and broaden our significance, we must continue to refine this approach to teaching and research, that is, the simultaneous advancement of both theory and practice.

Expanding our influence rests on four interconnected factors:

1. Like The University of Texas at Austin, the School of Architecture must be strongly grounded in the Austin region and the State of Texas.
2. Although rooted in a particular place, the school must have a national and international reach and consequence.
3. We must be committed to interdisciplinary teaching and research both within the school and across the university.
4. We need to address important societal issues facing the built environment, specifically sustainability, including the aspects of urbanization, energy and resource consumption, and greenhouse gas production.

Formed in 1948, the School of Architecture has been led by Dean Frederick Steiner since 2001. The school includes programs in architecture, community and regional planning, historic preservation, interior design, landscape architecture, sustainable design, and urban design. The Community and Regional Planning (CRP) program has a strong focus on sustainable development processes and practices, seeking development paths that balance growth with improved environmental performance.
The requirements for the Master of Community and Regional Planning degree include a six-credit course in a planning studio. The Planning Studio is an intensive, applied research course in which students apply the skills they have learned to real world planning problems, often in partnership with a key stakeholder. The class operates in a large group dynamic and works collaboratively to develop the project and present it at the close of the course, often to both key stakeholders and to an academic review panel.

Introduction to the Project

The Hill Country Alliance (HCA) presented The University of Texas at Austin School of Architecture (UTSOA) with their collaborative strategy and draft vision for the Texas Hill Country. The Alliance asked UTSOA to use fresh eyes and planning expertise to provide new ideas and strategies for HCA to consider as they work toward a better future for this special region. Dean Frederick Steiner recruited Professor Robert Yaro as Potter Rose Visiting Professor to lead a planning studio to craft this implementation strategy for the Alliance. Mr. Yaro recently retired as president of New York's Regional Plan Association, and has had a long career in planning for large landscapes in other parts of the country. The Potter Rose Professorship in Urban Planning was endowed by Deedie and Rusty Rose of Dallas in 2009. As philanthropists and civic leaders, the Roses have made considerable contributions to arts, architecture, and environmental causes in Texas and beyond. Their goal in creating this position was to engage designers in finding solutions to important planning challenges facing Texas cities and regions. Professor Yaro asked UT Lecturer Meg Merritt and CRP Ph.D. Candidate Jane Winslow to join him in advising the students.
Introduction to the Hill Country Alliance

The Hill Country Alliance (HCA) is a collaboration of people and organizations whose purpose is to raise public awareness and build community support around the need to protect the natural resources and heritage of the Central Texas Hill Country. They held their first meeting in 2004, formalized as a 501(c)(3) nonprofit in 2005 and have experienced steady growth ever since. HCA convenes diverse stakeholders, partners, and elected officials for public outreach, education, and advocacy programs. More than 130 volunteer leaders participate in teams focused on water policy, land conservation, rainwater harvesting, and night sky protection. They have developed extensive mapping resources, concise issue papers, and frequent community events. In only a decade, HCA has already had an extraordinary impact on the region, creating significant public understanding about the threats facing the Hill Country and the actions needed to shape the region’s future.

Funding Support

The work of the Hill Country Planning Studio is made possible by generous gifts from Deedie and Rusty Rose, as well as special funding provided by Dean Frederick Steiner and assistance from the Hill Country Alliance.

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Llano River | Photo: Jim Olive
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Terms & Definitions

CAMPO: Capital Area Metropolitan Planning Organization
Metropolitan Planning Organization for the six-county Austin Metropolitan Region: Bastrop, Burnet, Caldwell, Hays, Travis, and Williamson Counties

CAPCOG: Capital Area Council of Governments
Voluntary association working as a regional advocate, planner, coordinator and service provider for 10 counties in Central Texas: Bastrop, Blanco, Burnet, Caldwell, Fayette, Hays, Lee, Llano, Travis, and Williamson Counties

EAA: Edwards Aquifer Authority
Manages and protects the San Antonio segment of the Edwards Aquifer, which provides drinking water to two million people throughout the Hill Country

GCDs: Groundwater Conservation Districts
Local bodies formed by the Texas Legislature or the TCEQ to manage groundwater

GMAs: Groundwater Management Areas
Areas to manage groundwater resources; cover all aquifers in the state

HCA: Hill Country Alliance
A civic group that seeks to protect and conserve the Texas Hill Country

Home Rule City
A city with a population of more than 5,000 residents, which has adopted a charter to define the local government authority and has broad powers including annexation

MPO: Metropolitan Planning Organization
Decision-making body that oversees transportation planning for urban areas greater than 50,000 people

MUD: Municipal Utility District
Created to supply infrastructure such as water, sewage and drainage to new real estate development in areas outside of a municipal water system

TCEQ: Texas Commission on Environmental Quality
Environmental agency for the State of Texas

TIRZ: Tax Increment Revitalization Zones
A political subdivision of a municipality or county created to implement tax increment financing

TOD: Transit-Oriented Development
Focusing mixed-use development in a compact and connected land use pattern in close proximity to public transportation
TPWD: Texas Parks and Wildlife Department
State agency that manages and conserves natural and cultural resources, including state parks

TWDB: Texas Water Development Board
Issues State Water Plans and finances water development projects listed in the plan

UTSOA:
The University of Texas School of Architecture
Preface

This report summarizes the findings and recommendations of the Hill Country Studio convened by The University of Texas School of Architecture (UTSOA) at the request of the Hill Country Alliance (HCA) in the fall of 2015. HCA is a civic group that seeks to protect and conserve the Texas Hill Country. The Alliance asked the studio to outline strategies that might be used to protect the land and water resources of the Hill Country. This report will provide HCA with a framework for planning and consensus building as they work to protect this special part of Texas.

Figure a: Hill Country Draft Vision Map | Source: Hill Country Alliance and Siglo Group
The Alliance provided the studio with a draft “Vision Map,” which identifies its preliminary thinking about where development should be encouraged and where conservation measures should be concentrated. The Alliance's draft map calls for the preservation of natural, scenic, historic, and water resources in 17 counties extending westward from the Austin-San Antonio corridor in Central Texas. The two large metropolitan areas and the smaller communities lying between them are among the nation's fastest growing places. As they have grown, suburban sprawl has extended out into formerly rural areas of the Hill Country, threatening its wildlife, scenery, and the water resources upon which the whole region depends.

The studio began its work with a field visit to the Hill Country and meetings with city and county officials, ranchers, and conservationists. Studio participants then prepared case studies on more than a dozen other U.S. regions that have approached large landscape preservation. In many cases these initiatives were led by federal and state agencies, although some were initiated and administered by county governments or voluntary civic groups. This research informed the studio's thinking about the range of options that might be considered for managing growth and conservation efforts in the Hill Country.

The studio has been guided by some of the most respected and knowledgeable practitioners in the fields of urban and regional planning and large landscape preservation in Texas and the nation. Throughout the semester the studio met with key stakeholders, including ranchers, developers, and water, land, and wildlife conservation experts. In October the studio participated in HCA's annual Hill Country Summit in Fredericksburg, where students met with dozens of other stakeholders and residents. This provided an opportunity for the studio to hear from them directly about the issues facing the region and to discuss the role the studio could play in helping to identify strategies to accomplish the vision. The studio continued to meet through the rest of the semester with policy makers and experts, leading up to the Workshop described below.

Hill Country Workshop

The Hill Country Planning Studio, in partnership with The University of Texas at Austin School of Architecture Dean Frederick Steiner, hosted a workshop from November 2-4 to bring together Hill Country stakeholders and local and national experts in regional planning and large landscape conservation to discuss the issues facing the Texas Hill Country today and in the future, as well as strategies to address those issues. Following a tour for out-of-town visitors to the region, workshop participants engaged in two days of large and small group discussions on land and wildlife conservation, water resource management, urban growth management, and related issues. The workshop closed with a large group recap that expressed confidence in Texans’ ability and commitment to protect the region’s exceptional natural, scenic, and water resources.
Workshop participants offered a breadth and depth of knowledge, experience, and leadership that helped guide the studio’s findings and final recommendations, which have been incorporated into this report. While a wide range of thought and analysis was presented, the workshop group drew out a list of major themes and strategies, which are included in the Executive Summary below.

Hill Country at a Glance

Size: 17,760 square miles; 11,366,400 acres
Number of Counties: 17
Percent unincorporated land: 90 percent
State Parks and Natural Areas: 15
Permanently protected land: 3.6 percent
Endangered species: 88
Land value increase, 1997-2007: 215 percent

Population: 3,383,019
Population growth rate, 2000-2010: 25 percent
Portion of Hill Country growth within corridor counties: 96 percent
Projected 2050 population: 6,806,379
Executive Summary

The Texas Hill Country is one of America’s most treasured landscapes. Its iconic vistas of rolling hills, spring fed rivers and streams, historic towns and ranches, and abundant wildflowers and wildlife have made it beloved to generations of residents and visitors from across Texas and around the world. In the words of Frederick Steiner, dean of the UT Austin School of Architecture, “If it were anywhere else in the country it would be a national park.” However, unlike most other special places, the Hill Country’s treasures are fragile and very much at risk. Its limited groundwater resources are mined far faster than they can be replaced by rainfall, its ranches and farms are fragmented by land speculation and subdivisions, while cookie-cutter suburbs sprawl out from the fast-growing Austin and San Antonio metropolitan areas to consume vast amounts of open country.

The region does not yet have the institutions, regulations, and dedicated financial resources needed to protect itself from these threats. The Hill Country Alliance and other civic and conservation groups are working hard to mobilize public attention to these concerns, but they are hamstrung by the absence of effective state, county, and municipal regulations needed to protect the region’s land, water, and ecological resources. The state’s archaic “Rule of Capture” and water laws that treat surface and groundwater as separate resources make it impossible to protect the region’s water supplies. The absence of county planning and zoning regulations in more than 90 percent of the region means that nearly the entire Hill Country is a land speculation “free fire zone.” The blind adherence to individual property rights means that everyone’s property is at risk due to unregulated land development and abuse of groundwater. Only 3.6 percent of the region’s land is currently protected and, unlike most states, Texas has only limited funds available for land conservation. Rather than mobilizing political support for solutions to these problems, the state’s political forces are divisive, polarizing, and counterproductive.

Unless these challenges are successfully addressed, the region’s natural, scenic, and water resources could, within a matter of years, be permanently lost to future generations. If this were to happen, it would jeopardize the prosperity not only of the Hill Country itself, but also of the Austin-San Antonio corridor, which depends on the Hill Country for its water and other natural amenities, an important part of the quality of life that attracts people to Central Texas.

New pressures are building as a result of the rapid population growth in the Austin-San Antonio corridor, exacerbating land fragmentation and sprawling development patterns. Current growth patterns threaten the wellbeing of Hill Country communities, the desireability of the cities and towns in the corridor, and the natural systems that
support life throughout the region. Sprawling, auto-oriented development increases traffic congestion while rapid population growth contributes to escalating housing prices. These trends are pushing new development out into formerly rural areas of the Hill Country, where they will destroy the region’s scenery and wildlife habitats while threatening water supplies and natural resources. More pavement in upstream areas will increase the frequency and severity of flash flooding throughout the region.

However, another future is possible, one in which a new partnership and a shared destiny is established between the Hill Country and the Austin-San Antonio corridor, in effect redefining the Hill Country as a “Greater Hill Country” that encompasses both the corridor counties and the 13 rural counties to the west. Through this partnership, a fraction of the growing economic resources of the urban corridor would be used to finance a bold program of land conservation,
stewardship, and resource protection in the Hill Country. The political power of the urban communities and across the region should mobilize to reform our water and land use laws, and to appropriately fund the institutions necessary to protect the Hill Country.

These efforts, if successful, will give shape to a prosperous future, one that preserves the things that people have always loved about this region: close-knit communities, reasonably priced housing, a rich cultural heritage, access to a beautiful countryside, clean air and water, and short commutes for those who want them. These are all at risk under current low-density development patterns, and can only be sustained by focusing continued population and economic growth in livable transit-friendly urban and suburban centers and small towns across the region.

1. Create a Hill Country Endowment

To finance these investments, a Hill Country Endowment (HCE) should be established to promote growth in the right places and patterns, and to protect the region's water and other natural resources. The concept would work as follows: As robust population and economic growth continue in the Austin-San Antonio corridor, a small portion of the increase in economic value, along with other funding sources, would be captured to finance the key infrastructure investments required in urban areas as well as the conservation measures needed in rural areas of the Hill Country. This approach would build on the success of San Antonio's Edwards Aquifer Protection Program and other land conservation initiatives by creating a permanent dedicated fund to support these activities.

Funds from the Endowment will be used to purchase conservation easements, protect aquifer recharge areas, and finance infrastructure in strategically important small towns in the Hill Country. Corridor counties will fund the Hill Country Endowment, knowing that it will ensure abundant, clean drinking water for them by
safeguarding open spaces that contribute to aquifer recharge and protecting surface water from polluted runoff. Endowment funds should also be matched by state and federal land and water conservation funds. Ironically, the federal Land and Water Conservation Fund, established by President Lyndon B. Johnson to promote land conservation in Texas and across the country, has been allowed by Congress to expire. It should be reauthorized and matching funds provided to support Hill Country conservation activities.

In addition to its role in funding infrastructure investments and land and resource protection, the Endowment could also assume the role of a regional planning body, creating an official vision or plan for the Greater Hill Country region and encouraging or requiring that municipal and county plans and regulations are consistent with the regional plan. In this capacity the Endowment would have two critical functions – to coordinate the development of transit infrastructure and support economic growth throughout the region. It would do so in the following manner:

1. Coordinate the development of transit infrastructure around the Lone Star Rail corridor.
3. Promote sustainable development practices by:
   - Incentivizing low-impact development in environmentally sensitive lands.
   - Incentivizing transit-oriented development along the Lone Star Rail corridor.
   - Incentivizing model land management practices of private lands.
4. Identify urban utility boundaries.
Hill Country Endowment Organizational Structure

In the Texas Hill Country, an easy consensus between all parties is unlikely. However, we believe that the advantages offered by a legally binding agreement far outweigh the costs of protracted negotiations. When complete, this agreement would result in the establishment of the Hill Country Endowment. The roles of the stakeholders would be as follows:

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<th>Stakeholders</th>
<th>Key Functions</th>
<th>Role Summary</th>
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<td>Rail Corridor Metros</td>
<td>★ Support maintenance of surface water quality and quantity</td>
<td>Will play the leading role in providing resources and funding to preserve the Hill Country’s water, land, and quality of life values necessary to the continued growth and prosperity of Central Texas</td>
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<td></td>
<td>★ Support efforts along flood prone rivers and streams to reduce flooding risk</td>
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<td></td>
<td>★ Supply water for large manufacturers vital to the economy</td>
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<td></td>
<td>★ Build support for a regional watershed protection plan</td>
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<td></td>
<td>★ Contribute a portion of increasing property values and sales tax revenue to the Endowment</td>
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<td></td>
<td>★ Use Endowment financing to build transit friendly developments</td>
<td>Will use Endowment resources to maximize development around rail stops and within municipal boundaries, while protecting sensitive areas in the Edwards Aquifer recharge zone</td>
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<td>★ Plan to minimize impervious cover and limit sprawl by setting urban utility limits</td>
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<td></td>
<td>★ Cooperate with NGOs to conserve land most in need of conservation</td>
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<td>★ Define rural character through a public process funded by the Endowment</td>
<td>Will use Endowment funds to upgrade outdated infrastructure and create effective development plans for each town’s reinvigoration</td>
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<td></td>
<td>★ Maintain rural character while growing through the use of design guidelines</td>
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<td>★ Use Endowment funds for infrastructure improvements</td>
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<td></td>
<td>★ Participate in identifying lands most suited for development</td>
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<td>★ Support efforts to gain more ability to influence development</td>
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<td>★ Access capital improvement project funds from the Endowment</td>
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<td>★ Partner with large metros to develop a package of attractive developer incentives</td>
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<td></td>
<td>★ Take advantage of Endowment educational resources</td>
<td>Will use Endowment opportunities and relationships to create proactive plans for smarter, less intrusive development patterns in unincorporated areas</td>
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<td></td>
<td>★ Work with TPWD to improve economic viability of working lands</td>
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<td></td>
<td>★ Use Endowment resources and funding to improve and protect ecological function</td>
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<td></td>
<td>★ Enhance property values by maintaining the region’s scenic beauty</td>
<td>Will manage their lands responsibly and economically by using Endowment funds to subsidize habitat restoration and other important stewardship practices</td>
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<td>Rail Land Owners</td>
<td>★ Use Endowment incentives to densely develop within the urban corridor</td>
<td>Will add to the region’s character and livability by building densely around transit in the urban corridor and more gently across the Hill Country, helping to ensure a positive climate for long-term growth across the region</td>
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<td></td>
<td>★ Enhance the Hill Country’s iconic image through conservation developments</td>
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<td>★ Reinvigorate Hill Country towns through mixed use development</td>
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<td>★ Improve and protect property values by maintaining the region’s scenic beauty</td>
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<td>★ Develop and protect property values by maintaining the region’s scenic beauty</td>
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<td>★ Develop education and outreach programs aimed at various stakeholder groups</td>
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<td>★ Launch media campaigns to raise awareness support for the Endowment</td>
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<td>★ Connect smaller communities to planning and financial resources</td>
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<td>★ Develop a monitoring system to measure and evaluate the Endowment’s success at regular intervals</td>
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<tr>
<td>Counties</td>
<td>★ Participate in identifying lands most suited for development</td>
<td>Will use Endowment opportunities and relationships to create proactive plans for smarter, less intrusive development patterns in unincorporated areas</td>
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<td></td>
<td>★ Support efforts to gain more ability to influence development</td>
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<td>★ Access capital improvement project funds from the Endowment</td>
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<td>★ Partner with large metros to develop a package of attractive developer incentives</td>
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<td>★ Take advantage of Endowment educational resources</td>
<td>Will use Endowment opportunities and relationships to create proactive plans for smarter, less intrusive development patterns in unincorporated areas</td>
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<td></td>
<td>★ Work with TPWD to improve economic viability of working lands</td>
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<td>★ Use Endowment resources and funding to improve and protect ecological function</td>
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<td>★ Enhance property values by maintaining the region’s scenic beauty</td>
<td>Will manage their lands responsibly and economically by using Endowment funds to subsidize habitat restoration and other important stewardship practices</td>
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<td>Non-Governmental Organizations</td>
<td>★ Use Endowment incentives to densely develop within the urban corridor</td>
<td>Will add to the region’s character and livability by building densely around transit in the urban corridor and more gently across the Hill Country, helping to ensure a positive climate for long-term growth across the region</td>
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<td>★ Enhance the Hill Country’s iconic image through conservation developments</td>
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<td>★ Reinvigorate Hill Country towns through mixed use development</td>
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<td>★ Improve and protect property values by maintaining the region’s scenic beauty</td>
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<td>★ Develop and protect property values by maintaining the region’s scenic beauty</td>
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<td>★ Develop education and outreach programs aimed at various stakeholder groups</td>
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<td>★ Launch media campaigns to raise awareness support for the Endowment</td>
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<td>★ Connect smaller communities to planning and financial resources</td>
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<td>★ Develop a monitoring system to measure and evaluate the Endowment’s success at regular intervals</td>
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Table a: Stakeholder Roles
The Endowment could be funded by earmarking a portion of the increase over time of sales or property taxes, water utility rates, and Tax Increment Reinvestment Zone (TIRZ) funds to capitalize general obligation and revenue bonds. It should be noted that in other regions of the country that have created programs of this kind to protect natural, scenic and other resources, land values have increased in those protected areas; it would be appropriate to capture a small portion of these increased values to help finance the Endowment. While it is impossible to predict what the ultimate funding scheme would be, one possible configuration is illustrated in the chart below:

In urban areas, the Hill Country Endowment would make investments into urgently needed transit projects, like the Lone Star Rail, which are necessary to allow the Austin-San Antonio corridor to accommodate over three million new residents by 2050. In turn, the urban growth will help finance land and water conservation and stewardship programs throughout the Hill Country. In rural areas, Endowment funds would be used to fund many programs, including purchase of development rights of important conservation lands, creation of municipal land use regulations, economic development strategies, and infrastructure investments in the region’s small cities and towns.
Funds could be channeled to counties, municipalities, land trusts, and utility districts to enable them to undertake these activities. This Endowment would support the region's population and economic growth by financing necessary investments in infrastructure and environmental protection required to enable this growth to occur. It would create a vehicle for growth in the region's urban and suburban districts to help finance conservation and other measures in rural areas.

**Hill Country Endowment - Mutually Beneficial Results**

Each group of stakeholders participating in the Hill Country Endowment will have different needs and will accordingly enjoy different benefits. It is important that the spectrum of programs offered by the Endowment target the needs of each group.

**Benefits of the Endowment to Smaller Cities & Towns**

- Infrastructure upgrades
- Large landscape preservation
- Economic development
- Planning support and expertise

**Benefits of the Endowment to Rural Landowners**

- Training and education for the next generation of land stewards
- Subsidies for habitat restoration and other improvements
- Funds for agricultural easements which could re-capitalise ranches and farms
- Awards and recognition for leading land stewards

**Benefits of the Endowment to Corridor Cities**

- Protection of drinking water quality
- Protection of economic growth
- Opportunity to coordinate strategic planning with surrounding jurisdictions
- Opportunity to increase recreational capacity of the Hill Country
2. Action Strategies

Near-Term Goals

Goal #1 – Generate Scientific Data:
Water management authorities need to have accurate information to make informed decisions that will preserve our water resources. This requires increased scientific research about the behaviour of our aquifers and the relationships between groundwater and surface water.

Goal #2 – Identify Baseline Indicators:
The following indicators and others should be used to track progress in the Greater Hill Country:

(a) Record accurate water table levels
(b) Record transportation trends
(c) Record and track new impervious cover
(d) Record the amount of newly subdivided land
(e) Tally total acres of protected land
(f) Tally total dollars dedicated to protecting land
g) Design model development standards

Goal #3 – Coordinate Education and Public Outreach:
The public outreach and education goals of the Hill Country Alliance should be expanded with new partnerships and funding sources to bring critical information to elected officials, administrators, and the general public.

Figure a.4: Timeline of Strategies
Goal #4 – Suitability Mapping:
Suitability maps can lay the groundwork for future efforts to balance development and conservation across the Hill Country region. They provide additional weight and affirmation to the recommendations of the Hill Country Alliance’s Vision Map.

Medium-Term Goals

Goal #1 – Create and Sign a Regional Compact:
The Greater Hill Country region needs coordinated management of land use, transportation, water, and economic development. Gaining support for a regional-level regulatory body may be difficult in the current political atmosphere. However, many of the same goals could be achieved through a civic partnership between the Hill Country Alliance and the Greater Austin-San Antonio Corridor Council. Together, with participation from other stakeholders, they could create an advisory regional plan that identifies appropriate locations for development and conservation, proposes locations for transit and other necessary infrastructure, and sets targets for housing production and other facets of development. This advisory plan could provide the basis for subsequent activities, outlined below, including those of the regional compact and Endowment. In other regions – including such disparate places as Salt Lake City and the New York metropolitan area – civic led regional plans have shaped development and conservation activities and infrastructure investments for decades.

Goal #2 – Establish the Hill Country Endowment:
As detailed in the opening of this executive summary, the studio recommends that a Hill Country Endowment be established that could have two functions:

1. An institution that could capture a small share of the region’s economic growth to finance needed investments in infrastructure and land and water conservation activities; and
2. A regional commission that could adopt a regional plan and then promote a regional compact in which the region’s municipalities and counties would develop plans, regulations, and capital investment strategies consistent with the regional plan.

Creating the Endowment will require a formal working agreement among Hill Country stakeholders, identifying roles and responsibilities for each group engaged in managing the region’s future. It is important to build off of cooperative successes in the near term to establish an enduring framework for balancing growth over many decades. There are two critical components of this step:

1. Creating a formal working agreement among stakeholders, and
2. Funding and managing the associated programs.
Figure a.5: Preliminary Suitability Map for the Hill Country
Long-Term Goals

All efforts in the region towards coordinated management will fail if required policy reforms are not made at the state level. The State Legislature should recognize that the concerns facing the Hill Country require special consideration in state law. Stakeholders in the Greater Hill Country should advocate for the policy reforms detailed in this section.

Goal #1 – Protect Large Landscapes from Eminent Domain
The goal of protecting land from development is compromised when infrastructure pathways such as roads and electric transmission lines cut through large open landscapes. To make matters worse, properties held under conservation easement agreements are subject to the exercise of eminent domain by governmental entities and utility providers, just like properties that are not permanently dedicated to conservation. In fact, conserved lands often become targets for infrastructure pathways because infrastructure firms and planners perceive conserved lands as large open spaces with few obstructions and few landowners to oppose the project. Changes to state law should improve protections for conservation easements from the exercise of eminent domain.

Goal #2 – Ensure Regulation by Groundwater Conservation Districts
Current groundwater conservation district (GCD) coverage should be reviewed for gaps or unmanaged aquifer areas, and the district boundaries should be extended to cover the gaps. Furthermore, all GCDs should receive sufficient funding to adequately monitor groundwater and administer all of their regulatory duties. Comprehensive GCD coverage and enhanced funding will help prevent unregulated groundwater pumping that compromises groundwater resources.

Goal #3 – Ensure Counties Have Authority over Municipal Utility Districts
Municipal utility districts (MUDs) are currently required to submit applications for approval to the Texas Commission on Environmental Quality (TCEQ). This application requires an evaluation of the effect that the district will have on the groundwater level within the region and of the recharge capability of the groundwater source. It does not, however, require proof of approval from the local GCD or county. TCEQ approval may not reflect local values or priorities for this type of development, and the lack of requirement for a water supply plan or pumping permit

Photo: Karen Bruett
may result in the over-burdening of local groundwater resources once the development is built out. State law should be changed to require MUDs to acquire a permit from GCDs and approval from counties during the MUD permitting process.

Goal #4 - Require Public Disclosure of Real Estate Sales Prices
In Texas, real estate transaction prices are not currently subject to public disclosure. This leaves county appraisal districts without market information that could serve to better inform property tax appraisals and the resulting assessments. One of the risks of not requiring the public disclosure of this information is uneven valuations of commercial and residential properties. In addition to improving the accuracy of evaluations, disclosure of real estate sales prices would also provide important data for planning purposes. State law should be changed to conform with those of most states, which require this disclosure.

Goal #5 - Grant Hill Country Counties Land Use Authority
Proposals to grant land use regulatory authority to counties have been unsuccessful in the Texas Legislature. However, rapid development in some of the most critical aquifer recharge and wildlife conservation zones of the Hill Country presents an urgent need to provide counties with this authority. Establishment of minimum lot sizes and site planning provisions to facilitate preservation of natural areas and working lands, along with regulatory incentives to direct development into small towns, are some of the regulatory tools that counties could use to guide desired development. If counties were able to regulate land use, it would enable them to use their resources more efficiently by planning for the provision of infrastructure such as roads, utilities, and emergency services.

Goal #6 – Create the Hill Country Trinity Water Conservation Area
The actions outlined above respect the Texas tradition of minimal and localized government regulation. Hill Country stewards should carefully monitor the effects of these strategies on the region's economic resilience, water supplies, and biodiversity. If the strategies yield the region's desired outcomes, a new form of regional management could emerge through local initiatives – Texas' very own form of planned regional growth. However, if these strategies do not adequately protect public water supplies, it may be necessary to take additional steps at the regional scale to protect water quality and better coordinate the integrated planning of land use and water management.

To achieve this goal, a new Hill Country Trinity Water Conservation Area should be established to consolidate the current hodgepodge of water management agencies. The Conservation Area would have jurisdiction over the area now under the control of Groundwater Management Area 9. Board members of the existing groundwater conservation districts (GCDs) could serve on an advisory board to the new Conservation Area. This new entity would develop plans and regulatory measures to manage both ground and surface water in the region. Additionally, it could designate “areas of special water resource concern” in which it could regulate developments of regional impact.
Summary

The goal of this report is to advise the Hill Country Alliance on its future activities and to initiate a public debate about the future of the Hill Country and the steps that are necessary to protect the region's extraordinary economic and natural resources. To initiate this debate we have put forward a number of proposals for new policies, institutions, and investments that could prevent degradation and improve the health of the natural systems that underpin the region's health and quality of life. We have concluded that to protect the Hill Country it will also be necessary to create a new and constructive relationship with the rapidly growing Austin-San Antonio corridor, in effect redefining the whole area as a “Greater Hill Country Region” with a shared destiny. Further, we believe that it will be necessary to transform current sprawling development patterns in the corridor, which are pushing suburban development into the Hill Country's rural areas. These strategies will address the key concerns that will impede the region's future growth: traffic congestion, rising housing prices, and water shortages.

Many of these proposals may be controversial, but we believe that the Texas Hill Country, and these initiatives, are worth fighting for. We are well aware of the challenge of advancing initiatives of this kind given the resistance to new public expenditures and new regulations at the State Capital and across Texas. However, we also have enormous confidence in the ability of Texans to rally around efforts to preserve the Hill Country, this place that is so central to the self-image of our state and region.

We believe that when residents and business and civic leaders comprehend the importance of moving ahead with these measures, and the potential benefits that will follow, they will embrace these and other steps to preserve the region's underlying natural systems.

Let the debate begin!