



**TOWN OF QUARTZSITE
GENERAL PLAN
January 2014**



Town of Quartzsite 2014 General Plan



TOWN OF QUARTZSITE GENERAL PLAN

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Introduction



Quartzsite Vision Statement:

Quartzsite is a unique place-a family oriented hometown for fun loving, friendly, and independent people of all ages and economical levels. This full service, diverse community offers medical, educational, and employment opportunities and safe neighborhoods. It is a place where individuals, families, retirees, and quality businesses are all welcome and feel part of. There is a healthy mix of full time residents and winter visitors and all enjoy the many activities, recreational opportunities, and events including the largest Gem and Mineral Show. The Town center is the place to be for gathering, shopping, eating, or enjoying a show. The desert environment is cherished and vigorously protected by the people and the economically stable and unified government. There is a strong sense of community pride and volunteerism. While Quartzsite has just about everything and one would need, it has maintained its rural atmosphere.



Town of Quartzsite 2014 General Plan

Purpose of a General Plan:

General Plans are a requirement for all towns and cities across the United States. The intent of a town's General Plan is to provide an official public document, adopted by the appropriate local government, to serve as a guide for policy decisions relating to the relationships between land use, transportation, quality of life, the environment and the economy desired by Quartzsite. The General Plan is intended to be both long range and visionary and should provide guidance to where Quartzsite wants to be in the future. The General Plan is built for a variety of users: existing and prospective residents and visitors, developers and people working within the Town, and local government. The users of the Plan can learn about the Town of Quartzsite, its current conditions, and future plans for development and growth. Town Staff, the Town Council, and the Town Planning and Zoning Commission will use the General Plan as a guide to land use planning and ensuring that policies and procedures remain consistent with the Town's vision.

The General Plan can be used for both short and long term Town goals and should provide guidance for actions to be taken in the next ten years. The Plan is not set in stone, but instead remains flexible to allow for the most beneficial planning strategies to be implemented based on the varying conditions within the Town. Therefore, the General Plan's intention is to be flexible, practical, performance based and an effective mean of creating compatibility within the environment. It can also be used as a tool for measuring the Town's progress on community goals, projects, and areas for improvement. The General Plan helps identify where various types of development will occur. This allows for the Town to allocate the necessary resources and provide infrastructure in a timely and cost effective manner. It also allows for the Town to manage its limited resources for existing and future residents, visitors, businesses, and developers. The Plan helps sustain the community's long-term economic vitality and quality of life through the promotion and protection of important community assets.

How to Use this General Plan:

The General Plan is organized around the essential themes of the Quartzsite vision, while meeting the State Law requirements for content and scope. The State Law defines the requirements for the General Plan based on the number of residents within the Town. The Quartzsite General Plan is required to include the following elements: Land Use, Public Participation, and Transportation. Municipalities are allowed to add optional elements to facilitate the Town's Vision. Quartzsite has chosen to include Economic Development & Growth and Water Resources. These elements were added based on the 2013 Public Participation Survey results and feedback from the community. More discussion on Public Participation will follow later in this chapter.



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Each element within this General Plan includes the following: Current Conditions, Town Concerns based on the 2013 Public Participation Survey, Goals and Strategies. By capturing information on the Town's current conditions and taking the Public Participation Survey results into consideration, the goals and strategies of the Town can be addressed based on what the community residents have voiced in the survey. The Introduction includes some additional information regarding the Town's history, population, demographics, age distribution, households, and the public participation process.

History of Quartzsite:

Quartzsite is a small desert community situated between mountains dotted with a variety of semi-precious rocks and minerals. Beginning in the mid-1850s, Quartzsite was used as a watering hole by travelers passing through. A few wells in Quartzsite provided for the Tyson's Well Stage Station. Named for Charles Tyson, the Station was a simple adobe building which served desert travelers well into the late 1880s. The original compound was composed of several buildings and was commonly called Ft. Tyson. Although it never served as an actual fort; it did however serve as a US Army stop and may have provided settlers with protection from Indian conflicts.

A post office was established at the Fort in 1893, although it only survived for two years. The Fort then became Oasis Motel. In 1896, a second post office was established on Moon Mountain Road, managed by postmaster George Ingersoll. Shortly after the establishment of the second post office, Quartzsite became a small community with a hotel, butcher shop, general store, and a few saloons. The name Quartzsite was suggested due to the abundance of that particular rock found in the area. According to one report, the Post Office Department was responsible for misspelling the name Quartzite by adding an "s" to the official name.

Quartzsite enjoyed somewhat of a mild boom when the western states were caught up in the mining excitement. Although there was some mining activity around Quartzsite, most mining in and around Quartzsite has ended. When the boom ended in the early 1900s, Quartzsite's population dropped to well under 100 residents. Fifty-seven people are reported to have voted in the 1904 election, in which Wyatt Earp was listed as a candidate for constable. Upon the arrival of the Great Depression, Quartzsite saw an increase in its number of residents. Many men returned with the hopes of reviving the local mining industry.

By the early 1960s, the Town population was back down to fifty residents during the summer months. It was during this same time that the winter population in Quartzsite began to quadruple. Planning for future winter growth became an important issue in Quartzsite and on March 23, 1965, the Quartzsite Improvement Association met for the first time. Members of the Association are accredited with planning for the first official rock and gem show held in



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February 1967. By the show's eighth year, lot spaces were leased out to over 450 exhibitors sixty days before the show opened and some 200,000 people came to visit the gem show.

Since then, Tyson's Well Stage Station has been restored by the Central Yuma Preservation Society and now functions as a museum. Another historical attraction is the grave of Hadji Ali (Hi Jolly). In 1835, the Governor of Arizona dedicated the pyramid marking the grave of this Arab camel driver. Ali came to Arizona from his native land of Syria as a hired chief camel driver with a number of camels intended to be used by the US Army as a desert beasts of burden experiment. Unfortunately, the camels were not compatible with the Army's mules and the plan was relinquished in 1864.

While Quartzsite has a rich history, the community and its residents look forward to building a strong future. The contents of this General Plan will prove that the Town of Quartzsite continues to make great efforts in the preservation of its history and current small town, friendly atmosphere.

Current Conditions:

Population:

2010 Population
Quartzsite – 3,677
County – 20,489
State – 6,392,015
(Source: 2010Census)



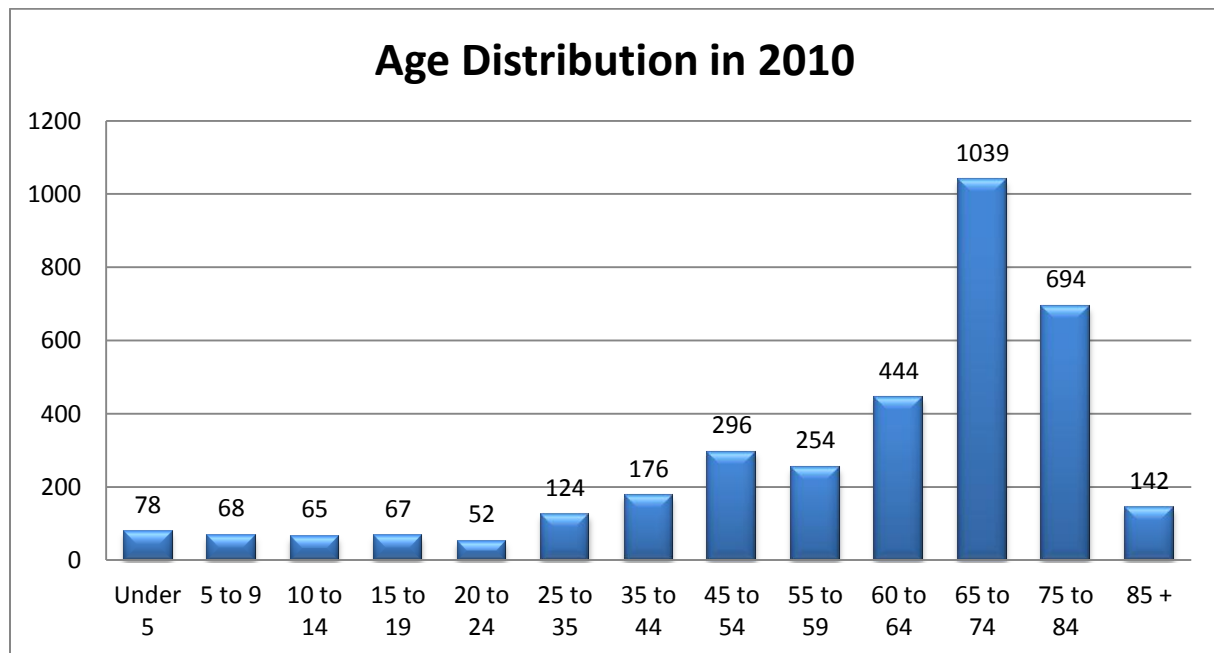
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Demographic Trend:

The decennial Census information provides us with important considerations regarding the growth of certain populations and homeownership. From 2000 to 2010, the population of Quartzsite increased by 9%. The table below shows the demographic change over the last decade.

Population	2000	2010	Race & Ethnicity	2000	2010
Total	3,354	3,677	White	3,169	3,294
Under 19	191	278	Black	8	11
20 to 64	1,320	1,347	American Indian	39	65
65+	1,843	2,052	Asian	9	9
Median Age	66.5	67	Other	129	52
			Hispanic Origin	169	246
Housing	Average Persons per Occupied Unit			1.81	1.77
Dwelling Units	3,186	3,378	Vacancy-Rent	51	78
Occupied Units	1,850	2,027	Vacancy-Own	60	54
Families	1,176	1,091	Vacancy-Seasonal Use	1,058	1,087
Households	1,850	2,027			
Data collected from US Census Bureau and Arizona Department of Administration.					

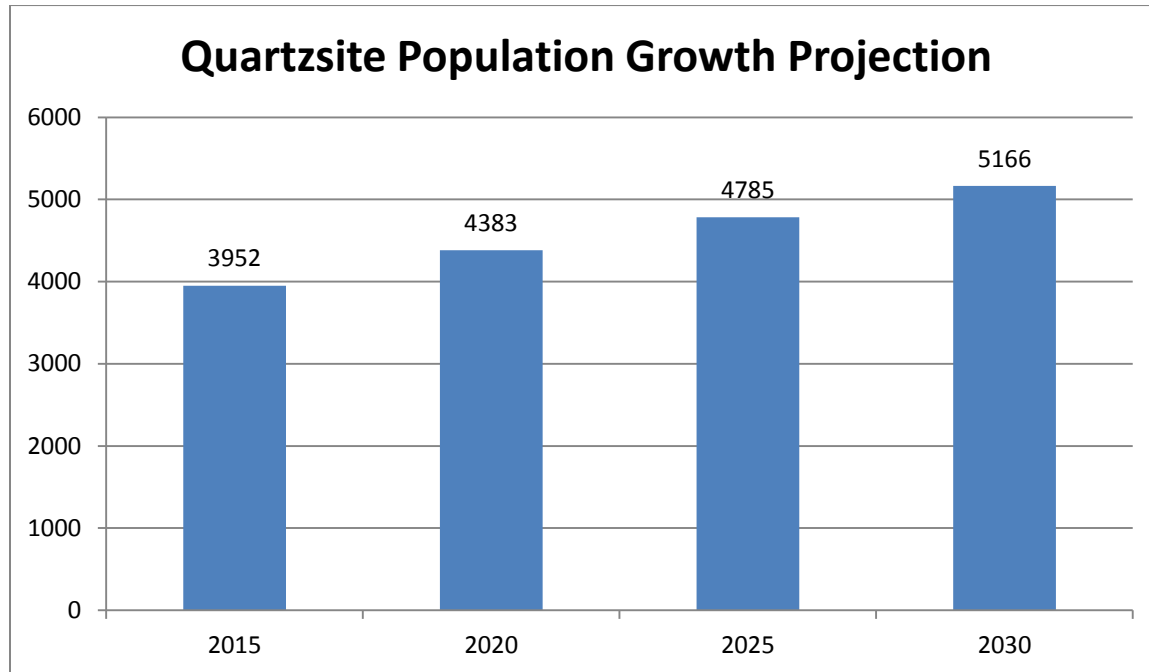
Age Distribution:





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Population Growth Projection:



Public Participation Process:

One of the Arizona State requirements of the development of the General Plan is to include the residents of the Town during the update process. The Town of Quartzsite used various methods to include the Town residents in the update process. These methods include holding workshops, group meetings, break out groups, and two surveys. The Town of Quartzsite invited the Urban Land Institute (ULI) and Arizona Department of Transportation (ADOT) to conduct a community planning workshop to help educate and engage the public with participating in the General Plan update process. The Planning and Zoning Commission meetings were also used with the group meetings and break out groups with the public in an open forum. The first survey was conducted over a period of three months and was made available via online, mailer, or hard copy at the Town Hall. The survey was made available to all Quartzsite residents. It is this survey where the Town residents voiced their opinions and concerns which will be addressed in the 2013 General Plan. A copy of this survey is provided in the General Plan as Appendix A.

Town Concerns:

The Town Concerns portion of the General Plan identifies the concerns voiced by the residents that participated in the 2013 Public Participation Survey. The Survey results were tallied and the



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top ten most important issues based on the survey results will be addressed in various elements within the General Plan.

Based on the Public Participation Survey the Town voiced the following concerns in regards to Public Participation:

61% of survey respondents stated it was very important that the Town hold public hearings, focus groups and public comment opportunities in the process of developing the 2013 General Plan and thought having neighborhood roundtable discussions would be beneficial.

55% of survey respondents stated it was very important that the Town identify, expand, and promote means by which the public can be informed and participate in the administration and development of the General Plan.

Goals and Strategies:

The Goals and Strategies section of the General Plan takes a closer look at the concerns made by the Town residents and turns the concern into a goal with a strategy to provide a solution to the particular concern.

In the Town Concerns listed above, Quartzsite Town Hall and the Planning and Zoning Commission took the following measures to ensure the public was notified and made aware of all public meetings and opportunities to take an active part in the update of the General Plan development: notification of all meetings were made public via postings at the Town Hall, Quartzsite Post Office on Main Street, and the Senior Center on Moon Mountain Road, announcements were also made in the newspaper, local radio station, Town of Quartzsite website, and word of mouth. The survey found in Appendix A was mailed to every post office box on file in Quartzsite; it was also made available in hard copy at the Town Hall as well as on the Town Hall website. Residents of Quartzsite were given 3 months to complete this survey. The Town used these different methods in order to reach as many residents as possible.

Summary and Implementation:

The purpose of this section of the General Plan is to take the information within the elements and put them into action. By summarizing the current conditions, the public participation survey results, goals, and strategies, an action plan for improvement can be created and implemented. The implementation of these items will be looked at in two phases. The first phase of improvements is intended to be completed within the next five years. The second phase is intended to be completed beyond five years.



Land Use Element



The purpose of the Land Use element is to identify the types and general locations of future land uses to meet the needs of Town of Quartzsite residents over the next decade. The element is prepared in conformance with ARS 9-461.05 and 9-461.6.

Current Conditions:

The land use plan for Quartzsite looks to the future and addresses several key issues and opportunities identified by the Town residents during the development of this plan. Specifically, these are:

- Require new development to pay its fair share of costs involved to support necessary infrastructure.
- Provide pocket parks throughout the community to promote healthy lifestyles.
- Maintain and enhance the quality of the built environment, including neighborhood infrastructure.
- Spot zoning will be avoided and discouraged.

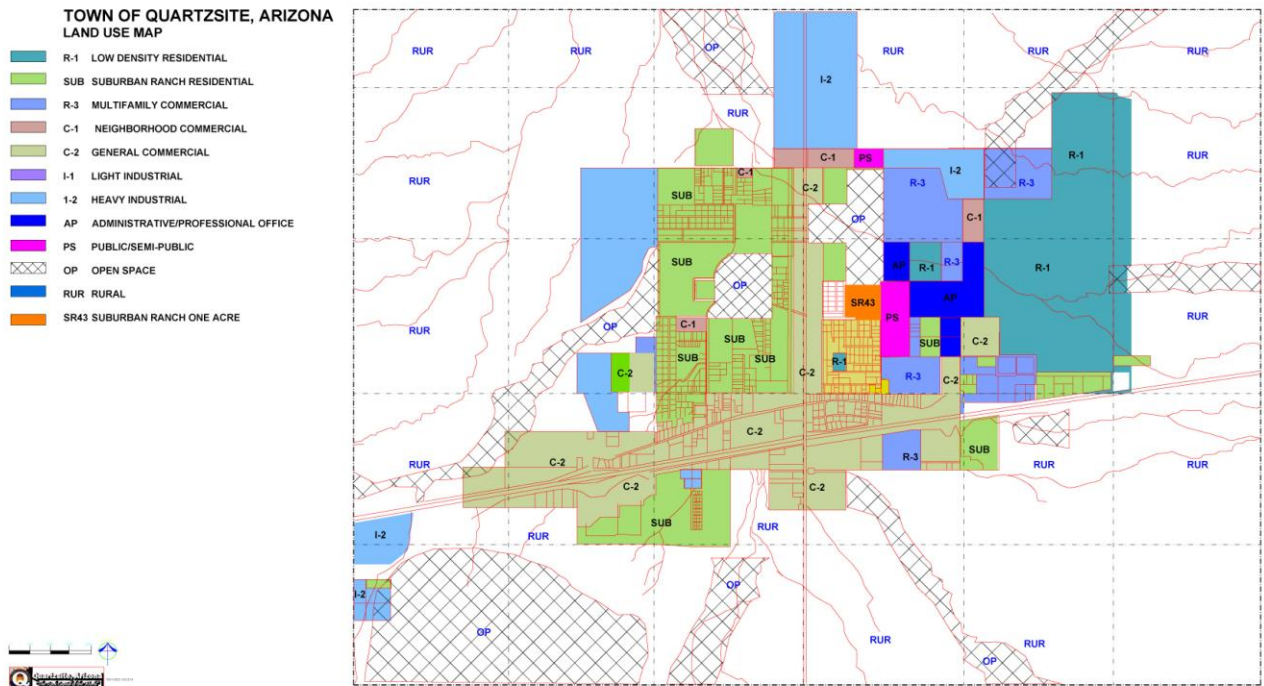


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Land Use Map:

The land use map provides the general location and concentration of existing and future land use categories for the Town of Quartzsite. The plan takes into consideration the existing pattern of development and improvement plans that have been approved by the community. The plan also looks to guide development such that incompatible land uses are avoided. For example, the Town would not want to approve a building permit for a new gas station in a residential community. The Land Use Map and the General Plan are intended to be adaptable to opportunities as they present themselves to the community; therefore the map may be modified through the General Plan Amendment Process.

The General Plan Amendment process outlines the steps necessary to amend this plan. It is not the intent of the General Plan Amendment process to be onerous, rather the Amendment process ensures that the community is involved in the process so that the Plan and map continue to be a reflection of the community's values and desires for the future. A description of the General Plan Amendment Process can be found in Appendix C of this General Plan.





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Land Use Categories:

For the purpose of this General Plan, the terms density and intensity will be used throughout this element. Density is defined as the concentration of use in residential and commercial areas. Building intensity is defined as a qualitative measure of the concentration of a specified use as it relates to the amount of physical development allowed. These measures are based on variables such as building height, mass, and bulk limitations.

Land Usage helps to establish a coherent pattern and distribution of residential, commercial, and industrial development that works with the current usage of the land. This helps to promote compatibility between the various land uses with the infrastructure that is already in place and what may come in the future. The Land Use categories clearly identify the different types of land usage within the Town limits.

Regulations within Land Usage are designed to preserve the safety and open space characteristics of these categories. These regulations help stabilize and protect residential communities, promote and encourage construction of a favorable environment for family life, and to prohibit all incompatible activities. Land use is also composed of recreational, religious and educational facilities as the basic elements of a balanced neighborhood.

Rural Area Five – RA5

This category is intended for very low-density residential development and limited agricultural usage. RA5 is further intended to constitute a “holding” category to retain land in less intensive use until the time is appropriate for more intensive development. This is to prevent scattered development, premature and costly extension of utility mains and services, and to regulate development of the Town. New development should occur in stages according to market needs and progresses contiguously out ward from the developed urban area. Access to a public roadway will be required but not public water or sewer or other utilities or services. Each lot shall be a minimum land area of five acres per dwelling unit.

Suburban Residential One Acre – SR43

This category is intended to promote and preserve residential development limited to conventional framed homes, site built single-family homes and limited agriculture uses. Access to a public roadway and public water and sewer will be required unless otherwise approved by the town. Other utilities or services are not required. Land use is composed primarily of individual homes, together with required recreational, religious and educational facilities as the basic elements of a balanced neighborhood. Certain essential and complementary uses are



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permitted under conditions and standard, which assure their compatibility with the character of SR43. Each lot shall have a minimum land area of one acre per dwelling unit.

Suburban Ranch - SR

This category is intended for low density residential development consisting of all types of residential dwelling units including permanent, temporary, conventional, mobile, modular, manufactured, recreational vehicle, campers, and tents and limited agricultural and equestrian usage. Access to a public roadway, public water and sewer, and other utilities or services will be required.

Mobile Home Subdivision - MHS

This category is intended to promote and preserve residential development consisting of one single family residence per parcel; the single family residence shall be limited to a recreational vehicle, manufactured home, and park-model or site-built home. Each lot shall have a minimum land area of 2,400 square feet lot area per manufactured home, park model or recreational vehicle or a minimum of 4,500 square feet lot area per site built dwelling unit.

Low Density Residential – R1

This category is intended to promote and preserve residential development consisting of conventional single family dwelling units. Each lot shall have a minimum of 6,000 square feet lot area per dwelling unit.

Medium Density Residential – R2MR

This category is intended for low to medium density residential development consisting of all types of residential dwelling units including permanent, temporary, conventional, mobile, modular, manufactured, park models and recreational vehicles. Each lot shall have a minimum under roof area per dwelling unit of 3,000 square feet on a minimum lot area of 6,000 square feet.

High Density Residential

This category is intended to promote and preserve residential development consisting of conventional single family, two family and multifamily dwelling units along with appropriate community facilities. Each lot shall have a minimum under roof area per dwelling unit of 2,000 square feet on a minimum lot area of 8,000 square feet.



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Neighborhood Commercial – C-1

This commercial category provides for the development of small scale commercial areas serving adjacent neighborhoods. C-1 land uses provide for the sale of convenience goods as well as personal and business services for the day to day needs of the residents in the immediate neighborhood. These land uses will most likely serve residents within a distance that can be easily walked in five minutes to areas within approximately one to one and a half miles. These uses can also be found within a more central area of a neighborhood. The range of goods and services offered will generally be limited to convenience food stores, small professional offices, personal services, and public buildings. Businesses will be designed to be aesthetically compatible with the surrounding residential area.

General Commercial – C-2

This commercial category is intended to accommodate a wide variety of businesses within the Town. The C-2 category encompasses the entire range of retail and service commercial activities including motels, auto dealerships, grocery stores, restaurants, offices, and service stations that will serve the region, immediate community and the tourist/traveler trade.

Light Industrial – I-1

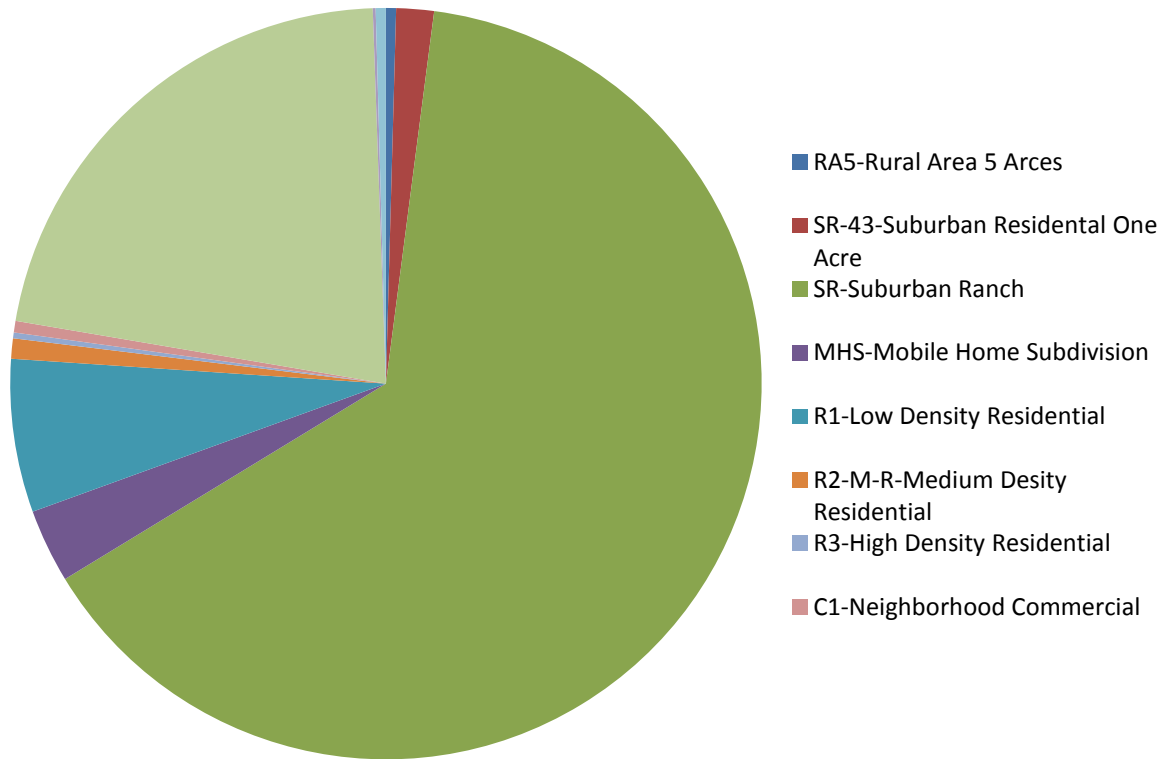
This category provides for employment uses such as warehousing, assembly and storage. Assembly of products should occur in an enclosed building from parts manufactured off site. Warehouse distribution and sale of products assembled on site would be allowed.

Heavy Industrial – I-2

This category provides for the development of areas where businesses, because of the nature of their manufacturing or storage operations (highly volatile substances), appearance, traffic generation, noise or other conditions may not be compatible with residential or retail, commercial, or business park land uses, or do not require visibility from arterial streets. Appropriate land uses in the I-2 category are characterized by businesses that utilize raw materials to manufacture or fabricate goods on site. I-2 businesses generally require outdoor storage and proximity to major transportation corridors, accessibility to water and sewer systems and are incompatible with adjacent residential land uses.



Quartzsite Land Use Category Distribution



Open Space, Parks, and Recreation:

The Town of Quartzsite is surrounded by vast expanses of open space and public land. Open space within the Town limits, however, is confined to the Town Park and a portion of the Quartzsite School District which is used for field game activities. Recreational use, however, is only one land use designation under the open space category. Areas can be preserved as open space for safety purposes and for conservation purposes as well.

Open space land designation is for the preservation of cultural resources. Open space land use for preservation purposes may not be as apparent but is nevertheless important. The communities desire to maintain its small town character can utilize open space land use designations as their principal tool in growth management. Although growth is welcomed, the Town would like to concentrate their growth. Open space designations into new annexations can preserve vast land areas for various purposes.



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The Parks and Open Space district denotes Regional Park and open space facilities that will be located within the incorporated area. Although the definitions for park and open space are sometimes used interchangeably the two designations denote differing, but related uses. Open space constitutes any space or area whose existing openness or natural condition if retained, would maintain or enhance the conservation of natural or scenic resources and/or reduce adverse impacts from development.

Housing:

The housing conditions within Quartzsite were analyzed during the update of this General Plan. The Town currently has the ability to offer safe and affordable housing for both residents and seasonal visitors. A community's housing needs are reflective of demographic information such as income, age, race/ethnicity, employment, and changes in these factors. Quartzsite offers a variety of housing options for all family types. Based on the 2010 census data, there are 2,027 households in Quartzsite with the average household size at 1.77 people. This number along with the Quartzsite population growth projection at 1.8% suggests that current housing options available in the Las Casas De Quartzsite Apartment Homes, The Quartzsite Senior Apartments, and the homes available on the local real estate market are adequate. The second table represents the vacancy rates for both rental and homes for sale in Quartzsite.

HOUSEHOLDS BY TYPE	Number	Percent
Total households	2,027	100%
Family households	1,091	54%
With own children under 18 years	114	6%
Married-couple family	994	49%
With own children under 18 years	74	4%
Female householder, no husband present	68	3%
With own children under 18 years	29	1%
Non-family households	936	46%
Householder living alone	783	39%
Householder 65 years and over	505	25%
Households with individuals under 18 years	135	7%
Households with individuals 65 and older	1365	67%
Average household size	1.77	(X)
Average family size	2.26	(X)



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Vacancy Rate	
David Plunkett Realty	63%
Las Casas De Quartzsite Family Apartment Homes	28%
Quartzsite Senior Apartments	25%

Energy Conservation:

Energy and energy conservation is an important aspect of life for Arizonans. This is due to regional increases in energy prices and notable energy shortages in neighboring states. Energy conservation is not only cost effective as it reduces home energy costs and increases long term reserves, but it is better for the environment as it reduces the production of harmful pollutants. Energy conservation should be addressed at the regional level as well as building specific level.

Energy Conservation has been a hot topic on a local, state, national, and global scale. State and federal agencies provide loans for energy saving programs to businesses and existing residences. On a local level, municipalities can increase energy conservation by promoting energy efficient building construction. On a construction site scale, the orientation of buildings and the use of landscaping can reduce direct sunlight exposure and therefore reduce heating and cooling costs. On a building specific scale, increased insulation and energy standards can reduce home energy bills. Quartzsite's high summer temperatures make energy conservation for home cooling costs a major concern. The abundance of sunlight provides residents with an excellent source of solar power to heat their residences in the winter but provides for high electricity bills in the summer months due to high air conditioning usage. Currently, the Town of Quartzsite gets its electricity from Arizona Public Service Company, APS.

The State of Arizona sponsors a program that identifies ENERGY STAR partners in building. The homebuilders who participate in the program can promote their homes as ENERGY STAR compliant. The ENERGY STAR program certifies that the homes are 30% more efficient than homes constructed using the Model Energy Code. This method of energy conservation includes prescribed list of energy saving methods that range from building orientation to the selection of kitchen appliances.

Floodplain Management:

A floodplain can be considered any land area susceptible to being inundated by water during rainfall runoff events. The floodplain includes not only the visible channel but also the land adjoining a stream, river, or wash (hereinafter called watercourse). A floodway is the area of a



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watercourse and the adjacent land areas that must be reserved from development in order to carry the base flood event. The base flood event is defined as having a one percent chance of being equaled or exceeded in any given year.

During times of high discharge in a watercourse, the flow of water may pose a safety threat and cause damage to individual properties and structures. The Town of Quartzsite is situated in a valley where washes and floodplains are in abundance. Many of the Town's roadways are inaccessible during rainstorms or floods. This poses a major safety concern, where cars or people that enter flooded roadways may become trapped or swept downstream.

Another issue caused by flooding is property damage. Damages typically occur when people build within the floodplain and in areas subject to erosion resulting from flowing water.

Regulations require that the floodway be kept open so that flood flows are not obstructed or diverted onto other properties. Development within the floodplain and floodway is regulated by Federal, State, and Town ordinances and any proposed improvement or modification requires a permit from the Town. Permits are issued by the Town's Community Development Department. The purpose of the permit is to ensure that increased damage does not result from the proposed modification or development.

Town Concerns Based on the 2013 Survey:

The Town of Quartzsite residents have expressed a Land Use concern based on the 2013 public participation survey results:

63% of the residents believe it is very important that the Town explore alternative energy that uses renewable resources such as solar panels and other forms of renewable energy. In response to the Town Concern regarding the Town exploring alternative energy and renewable resources, the Town strongly encourages home owners and businesses to look into options such as solar water heaters and solar panels when building new construction or replacing these items. The Town also encourages all new development as well as any existing home or business remodeling meet Energy Star Requirements. The Town is aware and supportive of two pending large scale solar projects proposed in the Quartzsite vicinity. These projects have yet to start construction but one has a revised proposed schedule to start in 2015.

Goals and Strategies:

Goal: Encourage development of compatible land uses to promote and enhance the livability of the community while providing adequate housing, a quality physical environment, and the protection of unique habitat areas.



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Strategies: Utilize the Town's development code and zoning ordinance as tools to minimize incompatible land uses and improve environmental quality and public safety. The Town will require consistency between the Town's zoning regulations and the General Plan. As a general rule, spot zoning will be discouraged. The Town will require the appropriate buffer zones between single family residential areas and commercial or industrial zones. Create and maintain pocket parks throughout Quartzsite to promote active and healthy lifestyles.

Goal: Promote and encourage an efficient land use development pattern, with new development taking place within or adjacent to the existing urban development area, where Town water and sanitary sewer facilities are available.

Strategies: The Town will promote development where resources and infrastructure are in place. The Town will discourage new development in outlying undeveloped areas which would result in inefficient utilization of water and sewer facilities. Deny zone change requests and general plan amendment requests for residential development projects located outside the defined urban development boundary. This may be subject to change on a case by case basis, if a developer wishes to pay for utility extensions. Promote cost efficient and logical expansion of infrastructure consistent with the General Plan. Coordinate infrastructure financing and improvements with existing and projected development activity. The Town shall encourage annexation in areas beneficial to the community.

Goal: Establish business district planning areas where economic activities are maintained, expanded and promoted. If infrastructure is not available, the builder or developer will be responsible for expanding infrastructure to the new business or development site.

Strategies: Promote new retail development, encourage existing businesses to expand within a defined downtown core area. Assist existing businesses in these areas with their expansion plans through technical assistance efforts such as expedited permit application and review process, expedited business license issuance, and readily available appointments for building inspections.

Goal: Maintain and enhance the quality of existing housing stock for all residents.

Strategies: The Town will continue to pursue programs to fund housing construction and initiate a continuous prevention program to prevent the deterioration of all affordable



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housing units. The Town will encourage a variety of housing types to accommodate the various needs of different households in the community.

Goal: Assist in the reduction of incremental runoff associated with new development and promote safe downstream conveyance of runoff.

Strategies: Prevent residential development within natural drainage courses (desert washes) and within other area identified as being subject to flooding. Ensure Quartzsite Code Enforcement is notified and monitors all development or improvement projects in or near a floodplain.



Transportation Element



The Town of Quartzsite offers a unique and small town atmosphere perfect for hosting the many visitors that travel from around the world. Whether people fly to the nearest airport, drive in their vehicles or RVs, or are permanent residents, the transportation infrastructure within Quartzsite is a main factor in its future growth and development. With its perfect location nestled at the crossroads of Interstate 10 and Highway 95, Quartzsite plays a significant role as Arizona's western hub for millions of people traveling through the state and across the country.

Transportation systems include roadways, walking and cycling trails, pedestrian facilities, bicycle routes, and airports. It is vital to ensure the community residents and visitors have access to use different methods of transportation. Using the different modes of transportation will help the Town's environment, air quality, traffic conditions, noise level, community appearance, and quality of life. Creating a cohesive transportation system will assist with a coordinated road,



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Roadways:

Currently, Interstate 10 and State Route 95 are the two major transportation corridors serving the Town of Quartzsite. Interstate 10 is the longest continuous freeway in the United States and provides the Town with a direct link to the Phoenix metropolitan area and southern California. The freeway runs east and west through Quartzsite and it also connects the Town to other Arizona towns and cities. Interchanges on Interstate 10 are located at ½ mile west of Kofa Road and at Riggles Road. State Route 95 passes through the center of the Town in a north-south direction. This highway links the Town of Quartzsite to various cities within La Paz County, other cities within the state such as Lake Havasu and Yuma, cities outside the state such as Las Vegas, and south into Mexico.

Due to the location of the Town, in conjunction with Interstate 10 and Highway 95, Quartzsite plays a vital role in terms of traffic. Traffic counts (discussed later in this chapter) show a relatively large amount of traffic passes through Quartzsite. Both highway and freeway systems provide an important crossroad to the area which facilitates access to major commercial and industrial clusters in the vicinity.

During the peak visitor season, the Town of Quartzsite will have over one million visitors. With this influx of people and vehicles, the roadways become inundated and cause traffic congestion. The intersections that are most affected are Business Loop 10 at Quartzsite boulevard and Kuehn Street and State Route 95. This problem is further exacerbated when vehicular traffic is accessing local businesses. Alternate routes connecting Interstate 10 to State Route 95 should be considered. These roadway issues will be further discussed later in the chapter.

Off Road Vehicles and All Terrain Vehicles (ATVs):

During the winter months, vehicles share the road with off road and all terrain vehicles. This refers to a motorized off-highway vehicle designed to travel on non-highway tires, with a steering wheel, equipped with seatbelts to carry one or more people. The state of Arizona has approved these safe for the roadways when they are registered, have proof of financial responsibility, a license plate light, a horn, and emissions testing (only required within certain parts of the state). This alternate mode of transportation is becoming more popular amongst winter visitors and residents. ATVs and off road vehicles are subject to the same rules of the road as other vehicles and are regulated by local law enforcement and the Arizona Game and Fish Department.



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Airports:

The Town of Quartzsite does not currently have an open, permitted airport. While the Town does have several old airstrips that were previously used, these have not been properly maintained and are considered dangerous due to their location and close proximity to residential communities. If the Town of Quartzsite wishes to grow in population, consideration of an airport and its location should be up for further discussion and planning.

At one time, Quartzsite was coordinating with the FAA to build an airport southeast of town; however, this site would have interfered with campers and long term visitors. Due to this issue, the BLM denied the sale of the land in the proposed site area. Other alternative sites were offered by the BLM, but the FAA would not secure any more funding for environmental work done on these other sites. BLM has suggested that the sale of land north of the Town could potentially be approved; however, the Town does not have any plans to build an airport at this time.

Bicycle Facilities:

Many people within the Town of Quartzsite use bicycles for leisure and as an alternative mode of transportation. As an alternative to motorized transportation, bicycles allow residents and visitors to quickly go from one portion of Town to the other. In October of 2013, the Town of Quartzsite worked with the Highway Safety Improvement Program (HSIP) to add bike lanes on Business Loop 10. These are now being used by bicyclists and are helping to create a safe bike riding atmosphere within the Town. Other streets within the Town are too narrow to accommodate both vehicular and bicycle traffic at this time. To help encourage more cycling within the Town, it is recommended that the Public Works Department works to develop a long term Bicycle Plan to include plans for bike paths, lanes, routes, and parking facilities. The Town along with available grant funding would help subsidize bicycle and pedestrian improvement projects, education, compliance, promotion, and informational programs about safe practices, traffic laws, and right of way usage on public streets.

Pedestrian Facilities:

Currently, there are some pedestrian facilities within the Town of Quartzsite; however this is an area that needs some improvement. In many cases, residents and visitors are forced to share the roadways with vehicles or walk on narrow street shoulders due to the lack of sidewalks. This presents an inconvenience as well as safety concerns to both pedestrians and vehicular traffic. The Town has taken some efforts in improving the pedestrian facilities within the town limits. Plymouth Road improvement and beautification project, completed with a shared pedestrian and bicycle path shown in the picture on the following page is one example of the enhancements being made to the Town.



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Mass Transit:

With Quartzsite's seasonal population boom, mass transit of the people has been an ongoing concern for many years. While this creates issues during the peak season, the permanent population is not large enough to warrant the need for a fixed mass transit system. The Town has addressed this concern to help alleviate the traffic and parking issues discussed within this chapter.

The Town currently operates a transit bus system which is a curb to curb service, meaning the bus picks up its riders at their curb and drops them off at the curb of where they want to go. The Town has two Americans with Disabilities Act (ADA) compliant buses with lifts for scooters and wheelchairs and one minivan available for transportation. The buses run Monday thru Friday and travel locally within the Town limits as well as out of town to Parker, Lake Havasu, Yuma, and Blythe, CA. Rides for the Transit bus system are coordinated through the Quartzsite Town Hall.

The Town of Quartzsite has also launched a pilot trolley program for the 2013-2014 season. This program launched on December 16, 2013 and will run until February 2, 2014. The trolley system is designed to assist with the movement of residents and visitors to local businesses and vendor sites without impeding traffic and assist with the parking issues discussed earlier in this chapter. The trolley program offers daily or season passes available for purchase through the Town Hall



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or at the Quartzsite Chamber of Commerce and operates seven days a week with the exception of Christmas Day and New Year's Day. This pilot program also helped in creating two additional jobs for drivers for the Town. This program will be up for review and approval by the Town Council for future seasons after February 2014.

These two additions of mass transit have earned the Town of Quartzsite the 2013 Most Improved 5310 Program Award for its devotion and commitment to achieving a higher standard in transportation and transit. This award was presented to the Town of Quartzsite in December 2013 by the Western Arizona Council of Governments (WACOG) and shows what a great effort has been made throughout the community. The transit programs have been funded by the Town of Quartzsite as well as a grant from the U.S. Department of Transportation Federal Transit Administration (FTA). The 5310 program is a transit program for rural communities, specifically designed to aid with the elderly and disabled and helps fund the daily operation of the transit system in Quartzsite.





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Alternative Fuel Source:

In the fall of 2013, Tesla Motors helped the Town of Quartzsite become the first site in the state of Arizona for an electronic charging station for Tesla electric hybrid vehicles. For Tesla Motors, Quartzsite was the ideal location as it sits in between Los Angeles and Phoenix. The charging station is located at the Carl's Jr. fast food restaurant near Quartzsite Boulevard and Main Street. This fuel charging station helps the Town keep up with the cutting edge of modern technology.

Road Classifications:

The local circulation system within the Town consists of a network of local streets and roadways which follow a typical north-south, east-west grid configuration. A great portion of the grid network is disconnected and blocked by previous development and drainage and is currently not functioning efficiently. These streets and roadways create a network vital to the movement of people and goods from one part of town to the other. Each of the streets and roadways are classified as either arterial streets, collector streets, or local streets.

Arterial Streets are designed to carry large traffic volumes and provide continuity throughout the Town. Drivers using arterial streets are typically traveling a relatively greater distance, greater than one mile, and are often using these streets to reach a place of business, commercial or industrial area, or work place destination. There are only two arterials streets within Quartzsite: Business Loop 10 and State Route 95. The standard design for an arterial street has four travel lanes, two in each direction, with a median or turn lane separation.

Collector Streets, just as the name implies, is a street which collects and distributes traffic to and from arterial and local streets. These are usually shorter in length and have lower traffic volumes compared to arterials. They are not designed to carry large volumes of traffic, but in some cases and during peak times of the year, the collector streets within Quartzsite act as arterials. This has occurred due to the heavy influx of traffic and congestion on the arterial streets.

Local streets provide direct access to specific parcels by local traffic. Traffic volume and travel speeds on local streets are generally low. Continuity on local streets should be minimized to reduce the speed of vehicles traveling on these streets and to limit vehicle noise in residential areas. The old local street patterns along the existing arterial corridors create intersection which impede traffic flow and invite unwanted cross traffic in these residential neighborhoods. Unfortunately, most local streets within the Town are lacking in curbs, gutters, and sidewalks.



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Traffic Counts:

The qualitative measure of traffic flow is based on the ratio of traffic volume to the capacity of the roadway and is expressed as a Level of Service. This ratio is expressed on a scale from A to F as seen in the table below.

Level of Service		
	Definitions	Volume/Capacity Ratio
A	Free flow conditions; no motorist waits longer than one signal	0-0.60
B	Stable traffic flow; motorist rarely waits longer than one signal	0.61-0.70
C	Stable and acceptable traffic flow but speed somewhat restricted due to higher volumes; motorists may wait more than one signal	0.71-0.80
D	Extensive delays at peak times; maneuverability restricted; some motorists may wait through one or more signals	0.81-0.90
E	Very long lines creating delays, volume at or near capacity	0.91-1.00
F	Stoppage for long periods due to congestion, extreme movement restrictions, especially at intersections	1.01 and above

Twenty-four hour traffic counts were conducted in Quartzsite during the summer and winter months to capture the level of service within the Town at both off-peak and peak times of the year. These counts are conducted periodically throughout the year to help in determining which roadways or intersections should be considered for improvements. The Town of Quartzsite and Arizona Department of Transportation (ADOT) are committed to maintaining the highest Level of Service possible for Quartzsite residences and visitors. The table below shows the target Level of Service for the Town of Quartzsite as well as the table to show the average daily traffic counts on three major collector streets during different times of the year. As shown in the traffic count tables, traffic counts grow three to four times the amount during peak times of the year.

Target Level of Service		
Classification	Off-Peak Hours	Peak Hours
Arterial	A	B
Collector	B	B
Local	B	C

Average Daily Traffic Counts		
	February-13	October-13
Kuehn	2472	835
Plymouth	1790	547
Tyson	1000	390



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Parking Facilities:

Parking facilities and conditions within Quartzsite have shown to be an area needed for improvement. During the peak season, with the arrival of over one million people, on and off street parking is lacking. On-street parking is discouraged on all major roads to ensure safety of free flowing traffic; however, this leads to deficient available parking. Off-street parking and loading regulations can be enforced to reduce street congestion. Parking conditions have been placed as a high priority for the Town and the Public Works Department.



Town Concerns Based on the 2013 Survey:

The Town of Quartzsite's residents have expressed some transportation concerns. 57% of residents of the Town have expressed the need and want for Quartzsite to provide a facility for emergency medical flights utilizing air transport that serves the community in need of urgent emergency medical evacuation by air.



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Goals and Strategies:

At this time, the Town does have a heliopad available for emergency use. This heliopad was built in 1995 and is located just east of the Quartzsite Fire Department. Currently, the heliopad is operated by Tristate Care Flight, a for profit organization based out of Bullhead, Arizona. The helicopter is used for emergency evacuations and travels to the closest medical center to effectively treat the injured. This concern works hand in hand with the concern for Land Use as the Town must provide adequate land in order to effectively transport the injured in a helicopter.



Goal: Achieve a coordinated transportation program to provide a safe and efficient roadway system for transportation of personal and commercial vehicles in cooperation with the County and other governmental agencies.

Strategies: The Town shall develop a Master Pathways and Trails Plan and coordinate Plan with all modes of transportation. Combine pedestrian and bicycle improvements into a multi-purpose pathway network. Improve bicycle and pedestrian support facilities.



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Encourage bicycle sales, rental, and repair businesses. Promote bicycle safety and right of way education programs.

Goal: Improve internal circulation through design and construction of a collector street and local street feeder system into the Town's major arterials.

Strategies: Integrate additional bicycle and pedestrian routes throughout the Town. Include pathway and sidewalk planning in all roadway improvement projects. Promote Adopt-a-Street improvement plan. Utilize mass transit and trolley services to their fullest potential by creating effective communication of these services to help alleviate congestion. As new development occurs, all non-connected streets should be addressed as a high priority.

Water Resources Element



The Water Resources Element identifies Quartzsite's need and usage of this valuable and scarce resource. The purpose of this element is to help address the current available surface water, groundwater, and effluent supplies for the Town's residents. In addition, this element helps ensure the current and future residents of Quartzsite have a reliable and adequate source of drinking water. This element will take a closer look at what is currently available and being used as well as what is in store for the future.

Current Conditions:

The Town of Quartzsite currently obtains its potable water from an underground aquifer through wells. Although the Colorado River is located only 25 miles to the West, the Town does not have a canal or other surface method of obtaining Colorado River water. While the Town currently has a water allocation lease from the Bureau of Reclamation, BOR, for the Colorado River, the Town does not use this water at this time. The BOR recently granted the Town an extension that allows the town additional time to find ways to receive the allocated water. In addition, the Town of Quartzsite does not have a water treatment plan or other method to treat surface



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supplied water for drinking purposes. Therefore, the Town must rely on the underground aquifer for its water supply. Up until 1994, residents of the Town obtained their water through individual private wells. As a result, there are several hundred private wells within the Town limits. There is no assurance that the water being supplied by private wells meets safe drinking water standards. In response to this, the Town Council began plans to construct a public municipal water system shortly after its incorporation in 1989.

In 1994, the Town of Quartzsite began supplying water from the city well located on Quail Trail, just north of the Town Hall. The Quail Trail Well Site has the capacity to pump approximately 200 gallons of water per minute. The well extends to a depth of approximately 1,200 feet. This well site also has a ground level storage tank and booster pump station. The storage tank holds 300,000 gallons. In 2004, the Town of Quartzsite introduced a second public well, at 200 north Kofa, the Kofa Well Site. This second well pumps 700 gallons of water per minute and has a storage tank which holds 1 million gallons. The Kofa Well Site is considered the main well for the Town's water needs. The two well sites not only help meet the needs of the current population but also have the capacity to service the needs for the future potential growth of Quartzsite, based on the population growth projection in the introduction.

The Town owned wells currently provide drinking water that meets all State and Federal requirements. To ensure the water quality meets these standards, samples are taken from the wells periodically throughout the year. Samples of the water are sent to state-certified laboratories which test the water based on the State and Federal criteria. The laboratories check for various forms of chemical and biological contaminants. The Quartzsite Water Department provides an annual report based on the findings of these samples. The most recent report available is the 2013 Drinking Water Consumer Confidence Report. This report confirms Quartzsite's water is safe for drinking from both town owned well sites. A copy of the annual report can be found in Appendix E.

The Town of Quartzsite also provides services for waste water treatment and sewer for all parcels of tracts of land within 200 feet of existing sewer lines. This service includes treatment and testing of all sewage products. The Town also provides maintenance and repair of all sewer lines up to property line. The waste water treatment plant is regulated by Arizona Department of Environmental Quality (ADEQ). Customers pay a base fee and a commodity fee, determined by the strength of the sewage discharged by the particular customer. Generally, residential customers have the lowest strength while commercial customers have the highest strength. Currently, the waste water treatment plant is over 20 years old and is in need of repairs. The Town does plan to upgrade the waste water treatment plant to include: repairs to outdated fixtures, new safety equipment, enlarging the treatment plants design capacity, updating due to deferred maintenance for the last 20 years. At this time, the plant is at its maximum. The



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enlargement would allow new customers to hook into the system. The enlargement would also allow the plant to become more efficient and cost effective.

Town Concerns Based on the 2013 Survey:

The Town of Quartzsite's residents have expressed several concerns in this element.

78% of survey participants thought it was very important to protect and conserve surface and groundwater resources.

71% thought it was very important for the Town to ensure water quality and adequate capacity for current and future needs.

57% thought it was very important for the Town to improve water quality in the last 10 years.

53% thought it was very important for the Town to promote water conservation in order to extend the use of vital natural resources.

Goals and Strategies:

To address the Town concerns above, the town will continue to promote desert landscaping, low flow fixtures in residential and commercial buildings, and water conservation education.

Goal: Ensure a high standard for water quality and quantity that meets the needs of current residents.

Strategies: Improve Quartzsite's water quality. Continue to ensure water meets or exceeds all Federal, State, and local water quality standards. Encourage water and energy conservation whenever possible.

Goal: Create and maintain a sustainable community where our natural resources are protected and conserved for future generations.

Strategies: Promote water conservation in order to extend the use of our vital natural resources. A voluntary water conservation program for area residents and businesses will be encouraged. The Town will continue to maintain and audit the water system to eliminate losses and prevent contamination.



Economic Development & Growth Element



The Economic Development and Growth Element have been developed to assist the Town in its wish for growth. While residents have voiced that they like the small town charm Quartzsite offers, they have also expressed the need for additional goods and services that would benefit the Town. The purpose of this element is to assist the Town with diversification of its current economic base through business attraction and expansion opportunities. Attraction of new businesses and the expansion of existing businesses will create new jobs and incomes for residents. With new jobs and incomes, residents will have additional discretionary monies to spend. This will have a ripple effect due to an increase in demand for housing, goods, and services.



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Current Conditions:

Currently, the economic base of the Town relies heavily on tourism and freeway oriented retail and services businesses. In addition, there are a large number of retirees whose fixed incomes are derived from social security and other retirement plans. The seasonal events, such as the annual gem and mineral shows, bring significant revenues into the Town for short periods of time. The economy of Quartzsite must be strengthened by diversifying its current economic base. This can be done by adding new industries such as manufacturing, warehousing, medical, and other related jobs to the community. By looking at adding these types of employers, the Town will be less susceptible to seasonal variations in revenue by having year round residents.

The assets of Quartzsite represent significant opportunities for new development. These include the strategic location of the Town on two major transportation routes: Interstate 10 and State Highway 95 provide two major transportation corridors which results in significant daily traffic flows through the Town. Quartzsite also offers available land at reasonable prices, close proximity to major markets like Phoenix, Los Angeles, Yuma, and Las Vegas, and a supportive local government. Constraints to new development are extreme summer temperatures, limited employment opportunities, available and qualified workforce, and property taxes.

A critical component for a viable economic development plan is the provision of the appropriate infrastructure such as water, sewer, and roadways to have the capability to service current and future businesses. In addition to infrastructure, the Town needs to have an adequate supply of affordable housing to accommodate future workers looking to relocate to Quartzsite. Employers interested in locating facilities in Quartzsite need to be assured that their workers and families will be able to find affordable housing. The Land Use Element includes the current condition of the available housing in Quartzsite.

In order to stabilize the local economy and create year round revenues, Quartzsite must expand upon its current business venues as well as identify potential new markets and employers. The Town can assist in identifying potential employers and market the Town to those employers. The Town can also assist start-up businesses. The State and Federal governments provide aid and programs to help the Town's efforts. One program that has been successful in the Town is the State Community Development Block Grant program or CDBG. This program allows for the Town to apply for funding for various enterprise and start-up funds.

Economic Development & Growth Resources:

The Town of Quartzsite has many affiliates to collaborate in its development and growth efforts. Currently, the Town is located within the Western Arizona Economic Development District or WAEDD. This organization promotes economic development and economic base diversification



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within all communities located in Yuma, La Paz, and Mojave counties. The WAEDD prepares the local economic development plan that is submitted to the U.S. Economic Development Administration or EDA. Through WAEDD, the Town is eligible to apply for EDA grants which can help fund social, economic, and structural development.

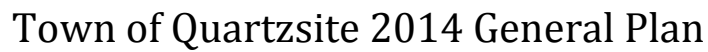
In 2010, Arizona Western College (AWC) built a new facility within the Town of Quartzsite. This Learning Center offers a variety of degrees, courses, and workshops to help better the community. This education facility offers courses via Interactive Television Network (ITN), through the web, day, night, and weekend options are available. This beautiful facility can also be used for meeting and trainings and also has open access to five public computers that can be utilized by students or the general public. AWC also offers many workshops on various topics such as nutrition, art, painting, gem stone carving, fitness, health, and wellness. In addition to the courses and workshops available, AWC hosts a Literary Lunch Club/Book Club on the third Thursday of each month. AWC offers a wide-range of courses and workshops to help with education, lifelong learning, career advancement, and personal enrichment.

As Quartzsite is located within La Paz County, there are resources available through this government entity that can be utilized. The La Paz Career Center is the county's facility for employment and training services. They assist the job seeking community with gaining and keeping employment. They assist employers with job matching, recruiting, and performing employment assessments. They also provide GED preparation services free of charge to those needing High School Equivalency Diplomas; although there is a fee to take the actual GED test. La Paz County has partnered with Arizona Western College for county residents to conveniently take the GED test at one of their facilities as well.

Another resource available to assist with economic development and growth is the Arizona Commerce Authority (ACA). This affiliate of Quartzsite provides many programs designed to help with the relocation of businesses to Arizona, start up, operation, and growth of new businesses in Arizona. The ACA offers free online programs to help register your business, filing for a business license, applying for state sales tax license, hiring employee requirements, and city/town compliances. The Arizona Entrepreneur's Edge is a resources guide on business planning, financial options and funding sources, business licensing and taxation, and technical assistance.

Growth Areas:

Growth areas are defined as areas within Town limits that specifically identify areas that are suitable for planned multimodal transportation, infrastructure expansion, and improvements designed to support residential, commercial, tourism, and industrial uses. Growth areas provide



The growth areas for Quartzsite are looked at in three designated tiers. Tier 1 distinguishes land close to the center of Town which is available and has the appropriate amenities to accommodate near future growth trends. This area covers the Main Street and North Central Boulevard corridors south of Senter Street, west of Plymouth Avenue to east of Idaho Avenue. This strategy allows for development to begin quickly as the infrastructure needed is available now. Tier 2 growth should form a logical extension of development and infrastructure from Tier 1. Tier 2 represents land that will be available to accommodate growth within a 2025 horizon with the appropriate amenities such as public water, sewer, and roadways. This area covers Riggles Avenue at Interstate 10 to Kofa Avenue at Pyramid Street. Lastly, Tier 3 represents land area for the long-term growth and development in Town limits within a planning horizon to the year 2035 and beyond. The strategy is to restrict growth until such time that growth can no longer be satisfied within Tiers 1 and 2. This area covers land West of Kofa Avenue, North of Pyramid Street, east of Riggles Avenue and south of Kuehn Street.





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The Town is committed to serving its residents in a positive and proactive manner; this is demonstrated by supporting development that is orderly and fiscally sound. New development should allow for flexibility in the assignment of Land Use densities so that property development, infrastructure, designs, use of space, and traffic movements may be improved or enhanced. While these Tiers are defined geographically, the Town is flexible where proposals meet the General Plan goals and strategies.

Town Concerns Based on the 2013 Survey:

The Town of Quartzsite's residents have expressed several concerns in this element.

55% of residents thought it was very important that the Town provide the ability to strengthen itself economically by attracting quality jobs and diverse employment opportunities while ensuring that existing businesses remain strong and viable.

53% of residents thought it was very important that the Town promote the possibility of having assisted living facilities.

51% of residents believe medical services are very important and that there is a need for additional medical services within the Town.

Goals and Strategies:

Goal: Form an Economic Development and Growth Team or Board.

Strategies: Nominate board members with Town leadership, the Chamber of Commerce, and involved citizens. Develop and fund a plan to put into action on attracting new businesses and expanding current businesses. Based on the Town Concerns, an Assisted Living facility and additional medical services facilities are a good starting point. Once the type of businesses are listed, the board should look to the Land Use Element and Growth Area tiers to determine best locations for expanding commerce in Quartzsite. The board must exercise some selectivity in order to ensure proposed developments meet pre-established communities goals and standards. A high emphasis on creating new jobs should be a priority. Explore incentives that could be used to entice new business and industry to locate in the Town. Create brochures and marketing pieces to use to send to prospective businesses. Nominate or propose a liaison to join existing economic development efforts of La Paz County. Continue to support the Quartzsite Business Chamber of Commerce.

Goal: Create and maintain a positive atmosphere for economic development projects through adequate municipal service capacities and progressive visual aesthetic qualities.



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Strategies: Ensure facilities are available to attract quality development from small business to large corporations. Maintain selectivity regarding environmental and community impacts. Work with private landowners and Quartzsite Community Development to designate areas available for build up suitable with the Land Use Element and appropriate planning and zoning compliance. Project a positive Town environment for quality development. Review developer proposals from a long term perspective.

Goal: Promote growth areas that support a variety of land use types, provide transportation options, conserve open space, and are consistent with the Town's ability to provide public services, amenities, and facilities.

Strategies: Encourage development within identified growth areas and tiers. Allow development only when adequate physical infrastructure and social services are available to service that development or will be provided as part of the development plan. Promote development that encourages alternative modes of transportation and efficient circulation. Encourage parks, plazas, paths, and other open spaces in public improvements and private development to help benefit the community and its needs.



Summary and Implementation



This General Plan for the Town of Quartzsite has addressed the required elements as stated by the state of Arizona. Those elements are Land Use, Public Participation, and Transportation. The General Plan has also addressed additional elements to include Water Resources and Economic Development & Growth. With these five elements making up the Quartzsite General Plan, the following Summary and Implementation items will put the Current Conditions, Town Concerns, and Goals & Strategies into Action Plan. Each element's action plan will be reviewed and discussed in phases. Phase one will be improvement projects that are in progress now or will be in progress within the next five years. Phase two will be improvement projects that are in the works in the next five to ten years and beyond.



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Action Plan – Land Use

Phase one improvements:

- Actively seek grant funding and available land donations to create pocket parks within residential communities.
- Continue to enforce residential structures meet Town codes to maintain housing stock and property values.
- Encourage new housing development that meet Town codes.
- Better management to ensure new development and existing structures meet requirements to reduce incremental runoff and safe downstream conveyance of runoff.

Phase two improvements:

- Expand water and sewer infrastructure to prepare for potential future residential and commercial growth.
- Re-examine Town zoning as needs change to meet the current and future needs of the Town.

Action Plan – Public Participation

Phase one improvements:

- The Town will continue to promote various methods of communication to inform the public of all upcoming hearings, focus groups, workshops, meetings, work sessions, and public comment opportunities. These methods include the following: public postings of all upcoming meetings, announcements in the local newspaper and radio station, the Town website, and word of mouth.

Phase two improvements:

- The Town will continue to explore additional methods to promote local communication strategies.

Action Plan – Transportation

Phase one improvements:

- Develop and utilize a transportation/traffic model to assist in future growth and planning and new and upcoming projects.
- Hi Jolly Way - Signage and Beautification Project



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- North Moon Mountain Road – Reconstruction and Safe Routes to School Project with sidewalks on both sides of the street
- Quartzsite Boulevard at Main Street – Reconstruction to include street widening, addition of street lights, and turn lanes
- Quartzsite Boulevard at Kuehn Street – Reconstruction to include street widening, addition of street lights, and turn lanes
- Quail Trail Street from Plymouth to Los Palomas – Design and reconstruction of roadway to include drainage
- Showplace Lane – Design and reconstruction of roadway
- Pavement Preservation for the following roadways: Quail Trail, Roadrunner Place, Coyote Street, Las Palomas, Palo Verde Avenue, Ironwood Street, Mesquite Avenue, Cactus Street, Dome Rock Road, Show Place Lane, Scott Lane, Riggles Avenue, Kuehn Street, Rodgers Place, Plomosa Road

Phase two improvements:

- Pavement Preservation for the following roadways: Moon Mountain, Mountain View Lane, Elsie Lane, Emelia Avenue, Idaho Avenue, Loma Vista, Kitsap Avenue, Washington Avenue, Oregon Avenue, Johnson Avenue, Cowell Street, Johnson Avenue, Snowbird Lane, R.C. Airport Extension, Church Lane, Targa Trail Lane, Kenoyer Street, Deadwood Avenue, Ocotillo Lane, Saguaro Street, Camel Street, Pyramid Street, Malapai Lane, Datig Avenue, Desert Avenue, Desert Vista Street, Kofa Avenue, Tyson Street, Cholla Road, Lollipop Lane, Cornejo Lane, Tesota Avenue, Crystal Lane, Senter Street
- Actively seek grant funding to create efficient and effective east-west circulation patterns currently blocked or incomplete via local washes.

Action Plan – Water Resources

Phase one improvements:

- Complete required maintenance on water and sewer infrastructure.
- Identify measures and develop ordinances to improve water quality.
- Continue to ensure all municipal improvement projects include desert landscaping to ensure low water usage.
- Continue to cooperate with local, state, and federal agencies to avoid water contamination and encourage conservation.
- Produce and distribute educational materials on conservation and water usage.



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Phase two improvements:

- Actively seek grant funding to purchase and install a filtration system to help improve the water quality.
- Actively seek grant funding and volunteers to educate residents on water conservation.

Action Plan – Economic Development & Growth

Phase one improvements:

- Form an Economic Development & Growth Team or Board to develop an action plan to stimulate local growth.
- Create marketing flyers and brochures to provide to prospective businesses.
- Continue to develop and maintain relationships with the various regional, state, and federal entities.
- Continue to identify and fund measures to increase economic development and growth with the Town.
- Create and market incentives for new business attraction and expansion of current businesses.
- Nominate a local spokesperson to attend La Paz County Economic Development activities and meetings.

Phase two improvements:

- Continue to research and develop incentives to promote the economic development of Quartzsite.
- Actively seek funding to continue to promote new business opportunities while expanding current businesses within the Town.



Appendix A – 2013 Quartzsite Public Participation Survey

2013 QUARTZSITE GENERAL PLAN SURVEY OF RESIDENTS

The 2003 General Plan included objectives and goals for each plan element. Please review these and give us your opinion. Ask yourself: Do these objectives and goals for the General Plan of 2003 still apply today? Should any be changed or eliminated? Should new ones be added? *To prevent multiple responses: QUARTZSITE MAILING & PHYSICAL ADDRESSES ARE REQUIRED BEFORE SUBMITTAL.* All questions to be answered with the following: Very Important, Important, Not Important with any additional comments welcomed.

LAND USE

1. How important is it to you to have residential neighborhoods protected from non-residential impacts and incompatible uses.
2. How would you rate the importance of promoting the reduction of non-conforming land uses while respecting the property rights of landowners? Why?
3. What is the importance of preserving Quartzsite's past? Is there any structure or place in Quartzsite that you are especially concerned about preserving?
4. How important is annexation to you? Do you think Quartzsite should annex more land as a way to direct and manage growth? If yes, where should the Town consider annexation (which direction)?
5. How would you rate the importance of the Town utilizing its development code and zoning ordinance as tools to minimize incompatible land uses? Any suggestions to modify the current codes or ordinances?
6. How important is it that the Town promote new retail development and encourage existing businesses to expand within a defined core area?
7. How important is it for the Town to promote development where resources and infrastructure are in place?
8. How important would you rate the Town's accomplishments in the last ten years regarding the expansion of infrastructure consistent with the General Plan?
9. How important is it to you that the Town develop permanent major commercial retail and service uses at the East and West Interchanges of Main Street and Interstate 10?



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10. How important to you is it that the Town provide a facility for emergency medical flights utilizing air transport that serves the community in need of urgent emergency medical evacuation by air?

TRANSPORTATION

1. How would you rate the importance of the Town reducing its dependence upon the automobile and promote expansion of the existing transit system?

2. How important is it to you that the Town help to reduce traffic congestion? Where would you recommend that this be done?

3. How important is it to you for the Town to assure sufficient, affordable vehicle parking to winter visitors that is convenient, safe and well-kept? Why and where?

4. How important is it that the Town continue to explore east/west cross-town roads (establish another thoroughfare)?

5. How would you rate the importance of integrating bicycle and pedestrian routes into the wash circulation pattern?

6. How important is it to you that the Town establish a clear classification of street widths and capacities?

7. How important is the Master Pathways and Trails plan to you? Plymouth Avenue was the beginning of the improvements. Where should the next phase be implemented?

8. How would you rate the importance of the Town improving bicycle-riding support facilities? How could the Town improve in this area?

OPEN SPACE

1. How important is open space to you? Where would you like to see a small Town Park placed?

2. How important is it that the Town continue to integrate key open space areas through a network of linear pedestrian / bicycle paths?

3. How important is it that the Town continue to link open spaces to recreation and park facilities through a network of pathways, trails and other open spaces throughout the Town in order to help define the physical and aesthetic appearance of the Town? If yes, in which direction would you expand the existing network first?



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4. How important is it that the Town protect sensitive areas with open space? Is there a place in the community where you think the Town has utilized open space to protect sensitive areas? Is there a place you would like to see this happen?
5. How important is it to you for the Town to expand recreational opportunities through landscape or conservation easements, trail easements, land leases, or other non-ownership methods? Any suggestions?
6. How would you rate the importance of the Town coordinating with various entities to educate the public about open spaces in Quartzsite?
7. How important is it to you for the Town to promote the open areas of historical and cultural significance within Quartzsite?

GROWTH AREAS

1. How important is it that the Town protect significant open space resources within the Town to compliment the surrounding areas and to guide the location / area of growth? Is there a specific area you would like to see remain open?
2. How important are medical services to you? Is there a need for more medical services? Which services particularly?
3. How would you rate the importance of the Town encouraging development within identified growth areas? Where would you like to see more development?
4. How important is it that the Town promote a development design that encourages efficient circulation and provides for alternative modes of transportation?
5. How important is it to you that the Town treat open space as an integral component of development within growth areas to meet residents' recreational needs and to improve the Town's aesthetics?
6. How important is it to you that the Town has promote economical and logical expansion of public facilities? What further expansion would you like to see?
7. How would you rate the importance of the Town promoting the possibility of having assisted living facilities?



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ENVIRONMENT

1. How important is it for the Town to explore animal control solutions? Do you have any ideas?
2. How important is it to you that the Town maintain its air quality? Are you aware of any problems that can be addressed?
3. How important is it that the Town maintain a sustainable community where the conflicts between residential and commercial / industrial development are considered and minimized?

COST OF DEVELOPMENT

1. How important is it that the Town require new development to pay its fair share of the costs involved to support necessary infrastructure?
2. How important is it to you for the Town to develop appropriate public / private partnerships for development of Town infrastructure?
3. How important is it that the Town maximize the use of HURF and WIFA funding to leverage the development impact fees received to the maximum extent possible?

WATER RESOURCES

1. Rate the importance of the Town protecting and conserving surface and groundwater resources.
2. How important is it that the Town promote the use of native plantings in streets rights-of-way and other public/private open spaces? List places in which you would like to see this happen.
3. How important is it for the Town to ensure water quality and adequate capacity that meet the needs of current and future residents?
4. How important is the Town's improvement in its water quality in the last ten years?
5. How important is it for the Town to promote water conservation in order to extend the use of our vital natural resources? Any ideas as to how the Town might do more?

CONSERVATION

1. How important is it that the Town has explored alternative energy that uses renewable



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resources such as solar panels? What other forms of renewable energy should the Town consider?

2. How important is it that the Town make plans to protect natural resources and mitigate impacts on the environment from development?

3. Rate the importance of the Town protecting and enhancing the archeological and historical resources of the Quartzsite Community. Do you know of a site that might need protection?

4. The Town has strived to promote the protection of the diverse wildlife and its natural habitat in the Quartzsite area. How important is it to you that the community educate the public of the danger of the elimination of natural predators?

RECREATION

1. Rate the importance of the preservation of existing open space and recreation areas. Do you have any suggestions of needed preservation?

2. How important is it for the Town to sponsor more opportunities for community gatherings and events in the OFF season? Name one or more events you would like to see held in our community.

3. Please rate the importance of the Town providing attractive, well-located parks and recreational facilities as well as adequate open space for all residents and visitors to the community. Where would you like to see another park or facility?

4. How important is it that the Town develop recreation facilities and utilize existing resources to offer a variety of cultural and artistic experiences? What more can the community provide to attract more visitors?

PUBLIC PARTICIPATION

1. Rate the importance of the Town identifying, expanding and promoting means by which the public can be informed and participate in the administration and development of the General Plan. What are your suggestions for further expansion and promotion?

2. How important is it to you that the Town hold public hearings, focus groups and public comment opportunities in the process of developing the 2013 General Plan? Do you think having neighborhood roundtable discussions would be beneficial?



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HOUSING ELEMENT

1. Rate the importance of the Town ensuring residential areas be appropriately sited and protected from incompatible land uses. What temporary uses and for what length of time should exceptions be permitted and why?
2. How important is it to you that the Town encourage development of Senior Citizen Housing? Why is it of that importance?
3. How important is it for the Town to encourage and promote a variety of housing types to meet all socioeconomic segments of the population, including both full time and seasonal residents?
4. Rate the importance for the Town to endeavor to maintain and enhance the quality of existing housing for all current and prospective residents?
5. How important is it for the Town to maintain strict development and subdivision standards for quality residential development and balance these standards with aesthetic and cost concerns?
6. How important is it for Quartzsite to ensure equal housing opportunities to all, regardless of race, ethnicity, color, national origin, religion, age, sex, disability or family status?
7. How important do you consider the Town's responsibility for the utilization of the Community Development Block Grant funds to further the provision of affordable housing in the community?
8. Rate the importance of the Town maintaining and protecting the character of established residential neighborhoods by identifying opportunities to provide assistance to property owners for renovations and rehabilitations?

ECONOMIC DEVELOPMENT

1. Rate the importance that the Town provide the ability to strengthen itself economically by attracting quality jobs and diverse employment opportunities while ensuring that existing businesses remain strong and viable. In what ways can the Town pursue this?
2. How important is it for the Town to establish a visitor accommodation center to provide for the needs of travelers and winter visitors?
3. How important do you think it is that the Town create incentives for local artists and craftsmen businesses to enhance the annual gem and mineral shows? How would you create incentives for the promotion of the seasonal attraction of visitors and vendors?
4. How important is it for the Town to encourage warehouse / distribution center type facilities to



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locate in Quartzsite at sites with easy access to Interstate 10 and State Highway 95?

5. How important is it for the Town to establish a marketing program to attract new business and industry to Quartzsite?

Should the Town enlist a full time employee to actively assist in fulfilling the goals listed in the questionnaire?

YOUR P.O. BOX & ZIP CODE IN QTZ.

YOUR PHYSICAL ADDRESS IN QTZ.

Results of the survey will be posted via web and posting sites by January 5, 2014.



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Appendix B

Protection of Aggregate Operations

Arizona Revised Statutes were amended in 2011 requiring general plans to identify current and potential sources of aggregate material. The intent of the statutory amendments is to provide opportunities for communities, along with current and future aggregate producers, to avoid unnecessary land use conflicts, ensure long-term availability of low-cost construction materials, and achieve the highest and best land uses for these sites once mining ceases.

The Town has identified the locations of current aggregate operations within the Town. The three known sites, two are shown on Map and three are listed below:

- Copper Chief Mine, Sunset Marble Company. This mine has been abandoned. T05N, R19W, Sec. 15. Take SR 95 north from I-10 at Quartzsite to Tyson Rd. west to Desert Ave., north on Desert which becomes Boyer Gap Rd.
- FNF Plomosa Commercial Material Source, FNF Construction, Inc. T03N, R18W, Section 4, NE ¼. Go south on East Quartzsite exit off I-10, head east on paved road, 6 miles to site.
- Pioneer Quartzsite Pit, Pioneer Landscaping Materials. T04, R18W, Sec. 26 (Gold Nugget Rd.); travel south ¼ mile; turn right on BLM road; follow signs to pit.

As required by state law, areas with potential for future aggregate development are shown on Map. Every reasonable effort has been made to ensure the accuracy of the map and related information contained herein. However, these maps and information reflect limited data available at the time of this General Plan. Additionally, there is no guarantee via this document that approval of additional aggregate mining facilities will be granted.

Aggregate mining operations exceeding five acres in area are required by Arizona law to prepare “Reclamation Plans” for approval by the Arizona Mine Inspector. These plans detail the total acreage of the mining site, the disturbed acreage, and the manner in which the owner/operator will restore the site once mining activity is ceased. There is no time frame established for cessation of mining activities, but Arizona State Statute requires reclamation within three years of closure.



Appendix C – General Plan Amendment Process

9-461.06. Adoption and amendment of general plan; expiration and re-adoption

A. In municipalities that have territory in a high noise or accident potential zone as defined in section 28-8461, the legislature finds that in general plans and amendments to general plans land use compatibility with the continued operation of a military airport or ancillary military facility as defined in section 28-8461 is a matter of statewide concern.

B. The general plan and any amendment to such plan shall be adopted or readopted in the manner provided in this article.

C. The governing body shall:

1. Adopt written procedures to provide effective, early and continuous public participation in the development and major amendment of general plans from all geographic, ethnic and economic areas of the municipality. The procedures shall provide for:

- (a) The broad dissemination of proposals and alternatives.
- (b) The opportunity for written comments.
- (c) Public hearings after effective notice.
- (d) Open discussions, communications programs and information services.
- (e) Consideration of public comments.

2. Consult with, advise and provide an opportunity for official comment by public officials and agencies, the county, school districts, associations of governments, public land management agencies, the military airport if the municipality has territory in the vicinity of a military airport or ancillary military facility as defined in section 28-8461, other appropriate government jurisdictions, public utility companies, civic, educational, professional and other organizations, property owners and citizens generally to secure maximum coordination of plans and to indicate properly located sites for all public purposes on the general plan.

D. At least sixty days before the general plan or an element or major amendment of a general plan is noticed pursuant to subsection E of this section, the planning agency shall transmit the proposal to the planning commission, if any, and the governing body and shall submit a copy for review and further comment to:

- 1. The planning agency of the county in which the municipality is located.
- 2. Each county or municipality that is contiguous to the corporate limits of the municipality or its area of extraterritorial jurisdiction.
- 3. The regional planning agency within which the municipality is located.
- 4. The Arizona commerce authority or any other state agency that is subsequently designated as the general planning agency for this state.
- 5. The department of water resources for review and comment on the water resources element, if a water resources element is required.
- 6. If the general plan or an element or amendment of the general plan is applicable to territory in the vicinity of a military airport or ancillary military facility as defined in section 28-8461, the military airport.
- 7. If the general plan or an element or major amendment of the general plan is applicable to property in the high noise or accident potential zone of a military airport or ancillary military facility as defined in section 28-8461, the attorney general. For the purposes of this paragraph,



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"major amendment" means a substantial alteration of the municipality's land use mixture or balance as established in the municipality's existing general plan land use element.

8. Any person or entity that requests in writing to receive a review copy of the proposal.

E. If the municipality has a planning commission, after considering any recommendations from the review required under subsection D of this section the planning commission shall hold at least one public hearing before approving a general plan or any amendment to such plan. When the general plan or any major amendment is being adopted, planning commissions in municipalities having populations over twenty-five thousand persons shall hold two or more public hearings at different locations within the municipality to promote citizen participation. Notice of the time and place of a hearing and availability of studies and summaries related to the hearing shall be given at least fifteen and not more than thirty calendar days before the hearing by:

1. Publication at least once in a newspaper of general circulation published or circulated in the municipality, or if there is none, the notice shall be posted in at least ten public places in the municipality.

2. Such other manner in addition to publication as the municipality may deem necessary or desirable.

F. Action by the planning commission on the general plan or any amendment to the plan shall be transmitted to the governing body of the municipality.

G. Before adopting the general plan, or any amendment to it, the governing body shall hold at least one public hearing. Notice of the time and place of the hearing shall be given in the time and manner provided for the giving of notice of the hearing by the planning commission as specified in subsection E of this section.

H. The adoption or re-adoption of the general plan or any amendment to such plan shall be by resolution of the governing body of the municipality, after notice as provided for in subsection E of this section. The adoption or re-adoption of or a major amendment to the general plan shall be approved by affirmative vote of at least two-thirds of the members of the governing body of the municipality. All major amendments to the general plan proposed for adoption by the governing body of a municipality shall be presented at a single public hearing during the calendar year the proposal is made. The general plan, or any amendment to the plan, shall be endorsed in the manner provided by the governing body to show that it has been adopted by the governing body.

If the municipality includes property in the high noise or accident potential zone of a military airport or ancillary military facility as defined in section 28-8461, the governing body of the municipality shall send notice of the approval, adoption or re-adoption of the general plan or major amendment to the general plan to the attorney general by certified mail, return receipt requested, within three business days after the approval, adoption or re-adoption. If the attorney general determines the approval, adoption or re-adoption of the general plan or major amendment to the general plan is not in compliance with section 28-8481, subsection J, the attorney general shall notify the municipality by certified mail, return receipt requested, of the determination of noncompliance. The municipality shall receive the notice from the attorney general within twenty-five days after the notice from the municipality to the attorney general is mailed pursuant to this subsection. The effective date of any approval, adoption or re-adoption of, or major amendment to, the general plan shall be thirty days after the governing body's



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receipt of the attorney general's determination of noncompliance. Within thirty days after the receipt of a determination of noncompliance by the attorney general as prescribed by this section, the governing body of the municipality shall reconsider any approval, adoption or re-adoption of, or major amendment to, the general plan that impacts property in the high noise or accident potential zone of a military airport or ancillary military facility as defined in section 28-8461. If the governing body reaffirms a prior action subject to an attorney general's determination of noncompliance pursuant to this section, the attorney general may institute a civil action pursuant to section 28-8481, subsection L. If the governing body timely sends notice pursuant to this subsection and the attorney general fails to timely notify the governing body of a determination of noncompliance, the general plan or major amendment to the general plan shall be deemed to comply with section 28-8481, subsection J. If the motion to adopt or readopt a general plan or an amendment to the general plan fails to pass, the governing body may reconsider the motion in any manner allowed by the governing body's rules of procedure, but any subsequent motion for the adoption or re-adoption of the general plan or a major amendment to the general plan must be approved by an affirmative vote of at least two-thirds of the members of the governing body. For the purposes of this subsection, "major amendment" means a substantial alteration of the municipality's land use mixture or balance as established in the municipality's existing general plan land use element. The municipality's general plan shall define the criteria to determine if a proposed amendment to the general plan effects a substantial alteration of the municipality's land use mixture or balance as established in the municipality's existing general plan land use element.

I. If the municipality does not have a planning commission, the only procedural steps required for the adoption of the general plan, or any amendment to such plan, shall be those provided in this article for action by the governing body.

J. A copy of the adopted general plan of a municipality shall be sent to the planning agency of the county within which the municipality is located, and such plan or any portion of the plan may be adopted as a part of the county general plan.

K. A general plan, with any amendments, is effective for up to ten years from the date the plan was initially adopted and ratified pursuant to subsection M of this section, or until the plan is readopted pursuant to this subsection and ratified pursuant to subsection M of this section or a new plan is adopted pursuant to this subsection and ratified pursuant to subsection M of this section, and becomes effective. On or before the tenth anniversary of the plan's most recent adoption, the governing body of the municipality shall either readopt the existing plan for an additional term of up to ten years or shall adopt a new general plan as provided by this article.

L. Except for general plans that are required to be submitted to the voters for ratification pursuant to subsection M of this section, the adoption or re-adoption of a general plan, and any amendment to a general plan, shall not be enacted as an emergency measure and is subject to referendum as provided by article IV, part 1, section 1, subsection (8), Constitution of Arizona, and title 19, chapter 1, article 4.

M. The governing body of a city or town having a population of more than two thousand five hundred persons but less than ten thousand persons and whose population growth rate exceeded an average of two per cent per year for the ten year period before the most recent United States decennial census, and any city or town having a population of ten thousand or more persons,



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shall submit each new general plan adopted pursuant to subsection K of this section to the voters for ratification at the next regularly scheduled municipal election or at a special election scheduled at least one hundred twenty days after the governing body adopted the plan pursuant to section 16-204. The governing body shall include a general description of the plan and its elements in the municipal election pamphlet and shall provide public copies of the plan in at least two locations that are easily accessible to the public and may include posting on the municipality's official internet website. If a majority of the qualified electors voting on the proposition approves the new plan, it shall become effective as provided by law. If a majority of the qualified electors voting on the proposition fails to approve the new plan, the current plan remains in effect until a new plan is approved by the voters pursuant to this subsection. The governing body shall either resubmit the proposed new plan, or revise the new plan as provided by this section, for subsequent submission to the voters at the next regularly scheduled municipal election or at a special election scheduled at least one hundred twenty days after the governing body readopted the new or revised new plan. All subsequent adoptions and submissions of the new plan or revised plans must comply with the procedures prescribed by this section until the plan is ratified.

N. In applying an open space element or a growth element of a general plan a municipality shall not designate private land or state trust land as open space, recreation, conservation or agriculture unless the municipality receives the written consent of the landowner or provides an alternative, economically viable designation in the general plan or zoning ordinance, allowing at least one residential dwelling per acre. If the landowner is the prevailing party in any action brought to enforce this subsection, a court shall award fees and other expenses to the landowner. A municipality may designate land as open space without complying with the requirements of this subsection if the land was zoned as open space and used as a golf course pursuant to a zoning ordinance adopted pursuant to article 6.1 of this chapter before May 1, 2000 and the designation does not impose additional conditions, limitations or restrictions on the golf course, unless the land is state trust land that was not planned and zoned as open space pursuant to title 37, chapter 2, article 5.1.

O. A person, after having participated in the public hearing pursuant to subsection H of this section, may file a petition for special action in superior court to review the governing body's decision that does not comply with the mandatory requirement prescribed in section 9-461.05, subsection C, paragraph 1, subdivision (g) within thirty days after the governing body has rendered its decision. The court may affirm, reverse or remand to the governing body, in whole or in part, the decision reviewed for further action that is necessary to comply with the mandatory requirements prescribed in section 9-461.05, subsection C, paragraph 1, subdivision (g).



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Appendix D

Quartzsite Water Department

System # 15-346

580 E Quail Trail St. Quartzsite, Arizona 85346, Ph. (928) 927-4561

2012 Drinking Water Consumer Confidence Report

July 10, 2013

The system operators of Quartzsite Water Department are pleased to give you this year's Drinking Water Consumer Confidence Report. This annual report, required by the Safe Drinking Water Act, tells you where your water comes from, what it contains, and other general information about your drinking water.

The Quartzsite Water Department obtains water from one well located across from the Public Works building on Quail Trail. Well # 1 draws water from 1,000 ft. below the surface of the ground. The second well is located on Kofa Ave. next to the Southern Baptist Church. Well # 2 draws water from 1,000 ft. below the surface of the ground. Since our source is groundwater, we are required under the Environmental Protection Agency (EPA) / Arizona Department of Environmental Quality (ADEQ) rules to take scheduled water samples. The samples are sent to State-Certified laboratories to check for various forms of chemical and biological contamination. The following table shows results of our monitoring for the period of January 1, 2012 to December 31, 2012 with just a couple of exceptions. Since the state allows us to monitor for some contaminants less than once per year because concentrations do not change frequently, some of our data, though representative, may be more than one year old.

We are pleased to report that our drinking water is safe and meets all federal and state requirements.

Terms

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety

Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Million Fibers per. Liter (MFL)

N/A - Not Available

ND - Not Detected

Ppm - Parts per Million (an amount comparable to one penny in \$10,000.00)

Ppb - Parts per Billion (an amount comparable to one penny in \$10,000,000.00)

< - This symbol means "less than".

≥ - This symbol means "less than or equal to"



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PCi/L - Picocuries per liter (a measure of the radioactivity in water)

<u>Contaminant Date sampled</u>	<u>MCL</u>	<u>Results</u>	<u>MCLG</u>	<u>Major Sources In Drinking Water</u>
Nitrate 02/18/12	10 mg/I	0.40mg/1	10 mg/I	Fertilizer runoff, leaching from septic tanks, erosion of natural deposits.
Halo acetic Acids HAA 8/16/12	0.060 mg/I	0.0012mg /1	N/A	By-product of drinking water disinfection
Total Trihalomethanes TTHM 8/16/12	0.080 mg/I	0.0096mg /1	N/A	By-product of drinking water disinfection

Contaminants Tested for and NOT Found

Microbiological contaminants

Total Coliform, Fecal Coliform and E. coli.

Educational Information

1. *Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at 1-800-426-4791.*
2. *Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV / AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA / CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.*
3. *The Sources of drinking water (both tap and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive*



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material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- *Microbial contaminants such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.*
- *Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.*
- *Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.*
- *Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also, come from gas stations, urban storm runoff, and septic systems.*
- *Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.*

While your drinking water meets EPA's standard for arsenic; it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

In order to ensure that tap water is safe to drink, EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

We would like to encourage all of our neighbors to participate in protecting the quality of our ground water by getting involved in decisions about it. If you have any questions regarding your water, its source, its quality or this report, please feel free to call the licensed operators of The Town of Quartzsite, 580 E. Quail Trail, Quartzsite, Arizona. Phone (928) 927-4561.

We would be pleased to answer your questions.

Certified Operator; Oscar Cruz

Certified; water treatment grade I, water distribution grade III.



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Send to: A.D.E.Q.

Drinking Water Compliance, Tracking and Enforcement

ATT: John Calkins

1110 W. Washington,

Phoenix, AZ 85007



Appendix E

References

1. Arizona Department of Fish and Game
2. Quartzsite Fire Department
3. Town Residents
4. Arizona Department of Administration
5. US Census Bureau
6. Arizona Western College
7. La Paz County
8. Arizona Department of Transportation
9. Western Arizona Council of Government
10. Quartzsite Town Code
11. ABM Development Services L.L.C.
12. Focused Future



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