

# Avitar Associates of New England, Inc.

Municipal Services Company

# Greenfield, NH

# 2014 VALUATION UPDATE

April 1, 2014

Avitar Associates of New England, Inc. 150 Suncook Valley Highway • Chichester, NH 03258 • (603) 798-4419 www.avitarassociates.com

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### **INTRODUCTION**

The purpose of this report is to document the guidelines, standards and procedures used in the recent town wide revaluation. The building cost data and the specific building and land information of each property, which is the foundation for this report and the valuation, were gathered and/or verified by the appraisal staff of Avitar Associates of N.E., Inc., all qualified to do so and approved by the New Hampshire Department of Revenue, Property Appraisal Division. *See Section 1.C. Personnel & Qualifications*. Sources include local builders and developers, as well as the use of cost manuals, such as the Marshall & Swift Manual.

We use a data collection card to facilitate the listing and pricing of buildings which will insure uniformity and accuracy in the collection of data and use of the CAMA system. *See Section 1.D. Data Collection.* 

It should be kept in mind that nothing can replace common sense and experience. While this report is a guide to information about the revaluation and the resulting assessments, one needs to keep in mind that an assessment is an opinion of value based on information contained herein and the knowledge and experience of the assessor. This is simply a guideline.

An appraisal is an estimate of value at a point in time. Value is a moving target based on the actions of the market (buyers and sellers) and what they are willing to pay and accept for any individual property. As such, the assessment as of April 1<sup>st</sup>, (the assessment date for the State of New Hampshire), is not a fact, but rather an opinion of value based on all the local sales data and the social and economic forces observed in the community and represents a "reasonable" assessment that, while likely never matching another assessors opinion of value, should be reasonably close, assuming each opinion of value is factual and accurately established, generally meaning +/- about 10%.

There is no area of appraising where this judgement of value becomes more evident than in the valuation of land and its amenities, such as view, waterfront and neighborhood/location.

Land values are local. They cannot be compared to values of similar properties in other localities with any known accuracy. This suggests that the most valuable tool in arriving at a judgement of land value is going to be the local market. For any land valuation method to work, it must be based on the local market sales, as the social and economic values and condition of each community is different.

Adjustments for topography, shape and cost to develop vary greatly, as each property is unique. However, a review or comparison of these properties will show a relationship exists between the adjustment and severity of topography, shape and site development costs, based on the opinion of the revaluation supervisor and local sales data.

The relationship with the added value based on sales data, also varies widely as do the views. The relationship with the added value based on sales having views, compared to other property in town with views is shown by the View Sample Pictures (Section 10.). This section assists in the application of adjustment for views, as well as shows consistency in the process. However, sales data never accounts for every variation of view or value adding feature or deduction, for that matter, that the job supervisor may come across in any given town. As such, experience and knowledge of the local sales must be used to assess these unique properties and make adjustments for the severity of the feature affecting value in his or her opinion and then consistently apply that condition.

### **Intended Use of Report**

The intended use of the report is to be a tool for local assessing officials to understand how the assessments were developed. To help them feel comfortable that the values are well founded and equitable, as well as help in the future assessment of new homes and maintenance of property values.

It is not intended to make the reader an assessor, but rather help the reader understand the process. It is intended to document the facts, assumptions and data used for their review and use in understanding and explaining the revaluation process.

The use of this report is to present the foundation of the recent revaluation and the process and procedures used to develop the assessed values for all property in town.

### **Intended Users of Report**

Intended users include, local assessing officials and real estate appraisers and other assessors.

It may also be used by the public on a more general level to understand the process, facts and methods used to estimate values.

### What This Report is Not Intended to Do

It is not intended to answer any and all possible questions, but rather to document the revaluation in general terms and enable the local assessor to answer more detailed questions which may not be readily apparent to the average property owner.

# SECTION 1

# CERTIFICATION/CONTRACT & SCOPE OF WORK

- A. CERTIFICATION
- B. CONTRACT & SCOPE OF WORK
- C. PERSONNEL & QUALIFICATIONS
- D. DATA COLLECTION

# **SECTION 1**

# A. CERTIFICATION

### **CERTIFICATION**

### **Dear Board Members:**

The attached Revaluation Report is hereby provided to the Town of Greenfield for an effective date of new values of 4/1/2014.

Avitar appraised all taxable property (fee simple) within the municipality according to NH Revised Statute 75:1 and appraised all tax exempt and non-taxable property within the jurisdiction of this municipality in the same manner as taxable property. Avitar verified all sales used as a benchmark for this town wide valuation process. When developing the value of a leased fee estate or a leasehold estate, we analyze the effect on value, if any, of (1) the terms and conditions of the lease, and (2) the effect on value, if any, of the assemblage of the various parcels, divided interest or component parts of a property. The resulting assessments are my opinion as of the effective date of this agreement, of each property's most probable market value based on all of the local sales data analyzed and my experience with and opinion of that data, as well as similar circumstances experienced elsewhere.

I hereby certify that to the best of my knowledge and belief, the following:

- The statements of fact contained in this report are true and correct.
- The reported assumptions and limiting conditions are my impartial and unbiased professional analyses, opinions and conclusions.
- I have no present or prospective interest in any property that is the subject of this report and I have no personal interest with respect to the parties involved, nor any bias with respect to any property that is the subject of this report or to the parties involved with this assignment.
- My engagement in this assignment and compensation for completing this task, although contingent upon developing and reporting predetermined statistical results was not contingent upon the resulting assessment of any individual property.
- My analyses, opinions and conclusions were developed and this report has been prepared
  in conformity with the NH State Law in affect as of the date of the signed contract, to the
  best of my knowledge.
- I <u>have</u> made a personal viewing of the properties, per the contract and scope of services agreement, (Section 1.B. Contract & Scope of Work) that are the subject of this report and I or members of my staff have inspected each building's interior when allowed.

Signature:_		Date:	9/24/14

I certify that the total taxable value of the town is \$136.904.092.

### RESUME' OF SUPERVISOR OR SIGNOR

Mark R. Stetson Avitar Associates 150 Suncook Valley Highway Chichester, NH 03258

### **Experience:**

**4/08 – Present** 

### Assessor, Avitar Associates of New England, Inc., Chichester, NH

Responsible for all day to day assessing responsibilities for 20 towns. Specific Appraisal Experience - Supervised the valuation updates for the towns of Alexandria, Boscawen, Cornish, Deering, Fitzwilliam, Greenfield, Greenville, Plainfield, Richmond, Temple, Sharon, Croydon, Grafton, Hebron, Windsor, Springfield & Groton.

### 4/95 – 4/08 Town Administrator, Town of Andover, NH

Assessor, Finance Director, Health Officer, Welfare Administrator and other duties as assigned by the Board of Selectmen.

Specific Appraisal Experience - Assessed all new construction and subdivisions; reviewed and recommended approval or denial of all property tax exemption and credit applications; prepared annual MS-1; completed the annual equalization survey for NH DRA; prepared property, timber, land use and gravel tax warrants; reviewed and recommended approval or denial of all abatement applications; monitored the town-wide valuation update in 2004; assisted in the defense of values before the Merrimack County Superior Court in August 2006.

### 1/89 - 10/94 Owner/Operator, Stetson's Village Store, Andover, NH

Managed all aspects of a small grocery store and adjoining pizza and sandwich take-out business.

### **Education:**

New Hampshire Technical Institute, Concord, NH – Associate of Science

Degree, Class of 1985. Major: Electronic Engineering Technology

IAAO Course 101 – Fundamentals of Real Property Appraisal

IAAO Course 102 – Income Approach to Valuation IAAO Course 300 – Fundamentals of Mass Appraisal

IAAO Course 400 – Assessment Administration

National 15-Hour USPAP Course NHAAO/NH DRA - State Statutes

### **Professional Designations or Affiliations:**

Certified NH Assessor #186

State of NH DRA - Certified Property Assessor Supervisor

IAAO NHAAO

Qualified as expert witness before the Board of Tax & Land Appeals

# NEW HAMPSHIRE DEPARTMENT OF REVENUE ADMINISTRATION

# THIS CERTIFIES THAT

# Mark Stetson

Has successfully completed and submitted the required documentation as

required by state law to obtain status as a

# DRA-CERTIFIED PROPERTY ASSESSOR SUPERVISOR

Which shall remain valid until December 31, 2019

Given this day of April 30, 2014

Stephan Hamilton, Director

# SECTION 1

# B. CONTRACT & SCOPE OF WORK

### REVALUATION/UPDATE AGREEMENT

SUBJECT: <u>Update of all taxable</u>, tax exempt and non-taxable property for tax assessment purposes, in accordance with the standards set forth in the laws of the State of New Hampshire and Administrative Rules adopted by the Department of Revenue Administration (DRA) and the Assessing Standards Board (ASB), in effect at the time of execution.

<u>Greenfield, NH</u>, a municipal corporation organized and existing under the laws of the State of New Hampshire, hereinafter called the Municipality; and <u>Avitar Associates of NE, Inc</u>, a business organization existing under the laws of the State of New Hampshire and having a principal place of business at <u>150 Suncook Valley Highway</u>, <u>Chichester</u>, <u>NH 03258</u> hereinafter called the Company, hereby mutually agree as follows:

### **GENERAL PROVISIONS**

### 1. IDENTIFICATION

1.1 Name of Municipality:	Town of Greenfield
1.2 Address of Municipality:	P.O. Box 256, 7 Sawmill Road
	Greenfield, NH 03047
1.3 Contracting Officer for the Municipality:	Board of Selectmen
1.4 Telephone:	(603) 547-3442
1.5 Name of Company:	Avitar Associates of N.E., Inc.
1.6 Address of Company:	150 Suncook Valley Highway
	Chichester, NH 03258
1.7 Telephone:	(603) 798-4419
1.8 Name and Title of Company Signer:	Loren J. Martin, President of Assessing Operations
	or Gary J. Roberge, CEO

### 2. GENERAL SERVICES TO BE PERFORMED BY THE COMPANY

### 2.1 Appraise all property.

- 2.1.1 To appraise all taxable property within the municipality in a good and workmanlike manner according to New Hampshire Revised Statutes 75:1.
- **2.1.2** To appraise all tax exempt and non-taxable property within the taxing jurisdiction of the Municipality in the same manner as taxable property.
- 2.1.3 The Company will verify all sales used as benchmarks for the update process.

### 2.2 Completion of Work:

- 2.2.1 The company shall complete all work and deliver the same in final form to the Selectmen/Assessors on or before 10/1/2014 with assessments as of 4/1/2014.
- 2.2.2 A penalty of \$35.00 per day shall be paid by the Company for each day required for completion beyond the above stated completion date for delays caused by the Company.
- 2.2.3 The re-assessment shall be considered complete and in its final form only when informal reviews have been complete, value changes made as required and the figures are submitted to and accepted by the Selectmen/Assessors. The Company shall provide the municipality with a full set of property record cards, the USPAP Standard 6 Compliant Manual and the CAMA Manual, if applicable.

### 2.3 Personnel.

- 2.3.1 The Company shall employ experienced and competent assessors who have been certified by the N.H. Department of Revenue Administration in accordance with the NH Code of Administrative Rules, ASB 303 for the work they will be performing.
- 2.3.2 The Company shall not compensate, in any way, a Municipal officer or employee or any member of the family of such officer or employee in the performance of any work under this contract.
- 2.3.3 Upon approval of the contract and before the update begins, the Company shall forward to the N.H. Department of Revenue Administration a list of the approved employees assigned to the update project.
- 2.3.4 The Company will ensure the DRA Certified Assessor Supervisor will be on the job site 50% of the time.
- 2.3.5 The Company will ensure that there will be no assigning of any part of the contract to anyone other than the Company without express written permission by the Town.

### 2.4 Public Relations.

The Company and the Municipality, during the progress of the work, shall use its best efforts and that of its employees to promote full cooperation and amiable relations with the taxpayers. All publicity and news releases will be cleared with the Selectmen/Assessors. The Company, upon request of the Municipality, will make available speakers to acquaint property owners with the nature and purpose of the update at a public forum scheduled by the Municipality, but not more than 4 during the course of the project.

### 2.5 Confidentiality.

- 2.5.1 The Company agrees to not disclose to anyone except the Selectmen/Assessors and the Commissioner of the N.H. Department of Revenue Administration or his/her designee, any preliminary values or new values discovered, for any purpose, or to permit anyone to use or peruse any of the data on file in connection with the update.
- 2.5.2 The Company agrees to furnish the New Hampshire Department of Revenue Administration staff member assigned to monitor the update reasonable requests for information made in writing.

### 2.6 Compensation and Terms.

The Municipality in consideration of the services hereunder to be performed by the Company agrees to pay to the Company the sum of \$32,000 dollars, in manner and form as follows:

- 2.6.1 Payment shall be made in monthly installments as the work progresses based on 90% of the estimated proportion of the work completed in the preceding month with the 10% balance being held and accumulated until final satisfactory completion of the update as defined in 2.2.3.
- **2.6.2** Payment shall be based on monthly progress reports submitted by the Company and accepted by the Municipality.

### 3. DETAIL SERVICES TO BE PERFORMED BY THE COMPANY

### 3.1 Development of Unit Costs:

- 3.1.1 The Company shall use Marshall & Swift Cost Manual as a basis to develop the costs of residential, commercial and industrial construction in the area and modify those costs by local sales, material costs and prevailing wage rates in the building trades. These shall include architects and engineer's fees, and contractor's overhead and profits. Before using such unit costs, the Company shall make tests using costs against actual sales of buildings whose actual current costs are known, in order to insure accuracy.
- 3.1.2 Residential Property Appraisal Schedules. The Company shall use unit cost as the basis of appraisal of residential properties. Schedules shall consist of unit base prices upon definite specifications for houses of various types and quality of construction and reflect the building customs and practices in the community. The schedules shall include adjustment for story height, square foot size and extra features, such as barns, garages, pools, fireplaces, etc.

### 3.2 Manual of Appraisal:

- 3.2.1 Final Appraisal Report. This report shall follow closely the 2014-15 edition of Uniform Standards of Appraisal Practice (USPAP) Standard 6. The report shall contain the following sections:
  - 1. A Letter of Transmittal.
  - 2. A Certification Statement.
  - 3. A section including the contracted Scope of Work.
  - 4. A section detailing sales, income, and cost approaches to value including all valuation premises.
  - 5. A section including all tables pertinent to the valuation process along with any schedules for the valuation of residential, commercial, industrial, manufactured housing and exempt properties.
  - 6. A section including statistical analysis and testing.

The Company shall instruct the Selectmen/Assessors in the use of the manual so that the Selectmen/Assessors will have an understanding of the appraisal process being utilized. Upon completion of the full revaluation, the Company shall deliver one electronic copy of the manual to the Selectmen/Assessors and one electronic copy to the DRA.

### 3.3 Property Record Cards:

- 3.3.1 The Company shall prepare property record cards 8-1/2 x 11 inches for each separate parcel of property in the municipality.
- 3.3.2 The cards shall be arranged based on the Town's CAMA system design, as to show the owner's name, street number, or other designation of the property and the mailing address of the owner, together with the necessary information for determining land value and classification and space for indicating the land value and value of the buildings on the land.
- 3.3.3 The card shall be so arranged as to show descriptive information of the buildings, pricing detail, depreciation allowed for physical, functional and economic factors and an outline sketch of all principal buildings in the parcel. The property record cards shall be provided in map, lot and sublot sequence.
- 3.3.4 Any coding used by the Company on the property record card will be clearly explained elsewhere on the card or in the appraisal manual.
- 3.3.5 The initial's of the Company's employee who measured and/or listed the property shall be noted on each property record card.

### 3.4 Sales Survey.

- 3.4.1 A DRA Certified Property Assessor Assistant under the guidance of a DRA Certified Property Assessor or Supervisor may validate sales data. A DRA Certified Property Assessor Supervisor shall prepare the company's sales survey.
- 3.4.2 In order to ensure that appraisals will reflect full and true value, the Municipality shall provide to the Company a copy of all property transfers for a period not to exceed two (2) years immediately preceding the effective date of the update.
- 3.4.3 A sales analysis shall be conducted using accepted appraisal methods in order to determine land, building and total property values. Such accepted methodology shall include the consideration of all sales given by the municipality to the Company and their inclusion in the sales survey book with appropriate notations for those sales not used in the correlation of values.
- 3.4.4 All qualified property sales shall be included in the manual by photocopy or printout of the property assessment record card and a photograph of the principal buildings shall be attached thereto. A list of all unqualified sales will also be provided.
- 3.4.5 The sales price and terms of the sale shall be verified by the Company and a notation as to qualified or unqualified transaction with unqualified sales noted as to reason made on the property assessment record card along with the sale price, date of the sale, and date of inspection.
- 3.4.6 Land values shall be determined from land only sales whenever possible, however, in the absence of an adequate number of land sales, the appraiser may use the land residual technique to assist him in the determination of land values. The analysis shall show the sale price, adjustments made and final value as of the effective date of the update.
- 3.4.7 The indicated land values shall be shown as, but not limited to, front foot, square foot, front acre or rear acre units or other appropriate units of comparison.
- 3.4.8 The completed sales survey showing the sales used and the analysis to indicate property values, including front foot, square foot or front acre, rear acre unit values, or other appropriate units of comparison shall be delivered to the Selectmen/Assessors for approval and shall become the property of the Municipality at the completion of the update.

### 3.5 Informal Reviews.

- 3.5.1 The Company shall mail, first class, to all property owners a notice of the newly estimated value of the property. Such notice shall also contain instructions for online access for 30 days for their ease in review and comparing assessments. The notice shall also contain the date, time and location of the informal review process including instructions on obtaining an informal review, the time frame in which the reviews will be scheduled and instructions relating to the appeal of the informal review process.
- 3.5.2 The informal review process shall include a 3 day window for property owners to call and schedule an appointment which will occur at a later date. The informal review process may be monitored by the Selectmen/Assessor or his/her designee. The Company shall ensure that an informal review of the newly estimated property values is provided to all property owners who request such review during the timeframe allowed for setting up appointments.
- 3.5.3 The Company shall notify all property owners addressed during the informal reviews of the disposition of their review stating whether or not a change in value has resulted and the amount thereof.

### 3.6 Appeal; Procedure Notification.

If any property owner believes their assessment is unfair and wishes to appeal for abatement, they SHALL FIRST APPEAL TO THE LOCAL ASSESSING OFFICIALS in writing, by March 1, in accordance with RSA 76:16. Forms for this purpose may be obtained from the local Assessing Officials. The MUNICIPALITY has until July 1 following notice of tax to grant or deny the abatement. If the property owner is dissatisfied with the decision of the local assessing authority, or the taxpayer does not receive a decision, the taxpayer may exercise ONE of the following options:

### **OPTION NUMBER 1**

The taxpayer may APPEAL TO THE BOARD OF TAX AND LAND APPEALS, 107 PLEASANT STREET, CONCORD, NEW HAMPSHIRE 03301, in writing, after receiving the MUNICIPALITY'S decision or after July 1 and no later than September 1 after the date of the notice of tax, with a payment of an application fee as set by the Board (RSA76:16a)

### **OPTION NUMBER 2**

The taxpayer may APPEAL BY PETITION TO THE SUPERIOR COURT IN THE COUNTY IN WHICH THE PROPERTY IS LOCATED on or before September 1 following the date of notice of tax. (RSA 76:17)

**NOTE**: An appeal to the State Board of Tax and Land Appeals shall be deemed a waiver of any right to petition the Superior Court (RSA 71-B:11)

INTEREST AT 12% PER ANNUM WILL BE CHARGED ON ALL PROPERTY TAXES NOT PAID BY THE DUE DATE AS SPECIFIED ON THE TAX BILL AND THE FILING OF A REQUEST FOR REVIEW OF THE ASSESSMENT WILL NOT WAIVE THIS PENALTY. (RSA 76:13)

## 4. CONDUCT OF VALUATION OF RESIDENTIAL AND COMMERCIAL/INDUSTRIAL PROPERTY

### 4.1 Inspection

The exterior and interior of each house or commercial/industrial building and appurtenant buildings to both, shall be carefully measured and the interior inspected where allowed.

### 4.2 Entrance

The Company shall guarantee 100% interior inspection of all property in the Municipality except for vacancies, refusals, unsafe structure, inhabitants that appear dangerous or threatening and those properties where the Company is unable to make reasonable arrangements for interior inspection, via the mailing of listing request letters for appointments to be made.

When entrance to a building is refused or the occupants are not present, the Company shall make a note, together with the date, on the property record card. If the inspection of the property is unsuccessful, the Company shall send a letter to the property owner requesting the property owner arrange an appointment for an interior inspection.

**4.2.1** In all cases of entry, the property owner or occupant must be at least 18 years of age.

### 4.3 Measurement

The Company shall show on the property record card a diagram of the principal building and it's dimensions, with the street side or waterfront toward the bottom of the diagram or otherwise noted.

### 4.4 Construction

The quality of construction and approximate age shall be noted and the specific details of the following features, as applicable, such as foundation, basement area, roofing, flooring, exterior cover, interior finish, fireplaces, heating and air conditioning systems, solar collectors, plumbing and plumbing fixtures, tiling, the number of bed and bathrooms, sprinkler systems, elevators and any other data which would influence value.

4.5 Commercial and industrial property, whether rented or not, may have its earnings or estimated earnings capitalized to be used as a check against physical value.

### 5. HOW THE COMPANY VALUES PROPERTY

- 5.1 Replacement cost shall be computed using the schedules described in section 3.2. These values shall then be depreciated according to age, condition, utility and desirability and the appropriate amount of physical, functional and economic depreciation shall be shown on each property record card, or shown as a composite adjustment based on condition, utility and desirability.
- 5.2 If the residential property contains 4 or more separate apartments or residential areas and if the rental charges are at market level, the earnings may be examined to establish a basis of rent capitalization to be used as a comparison to other property indications of value.
- 5.3 Before the final values are estimated, a DRA Certified Property Assessor Supervisor shall compare the preliminary values with the sales utilized in the sales survey to ensure all values reflect the market as of April 1 of the year of the revaluation.
- When computations of the data obtained from the inspection have been completed a final review shall be made by a DRA Certified Property Assessor Supervisor parcel by parcel, block by block, to identify and correct any mechanical errors, unusual features or anything influencing the final value and to ensure all properties are valued at their highest and best use.

### 6. CONDUCT OF VALUATION OF PUBLIC UTILITY PROPERTY

6.1 Public Utility property shall be appraised by the Company using the Handi Whitman replacement cost manual and depreciated for age and economic factors by the Company as commercial property so far as applicable.

### 7. ABATEMENT & TAX APPEALS

The Company agrees to furnish the services of a qualified representative to support the values established for the revaluation tax year upon local abatements without cost. Appeals to the N.H. Board of Tax and Land Appeals or Superior Court, in all cases where the appeals have been entered within the time prescribed by law will be at the per diem rate of \$85/hour. "Any legal fees incurred are the sole responsibility of the town." In the case of an appeal upon Public Utility property that has been appraised by the Company, the services of an expert may be required and the charge shall be \$1,500 per proposal per day plus expenses. The Company shall continue to be responsible for providing a qualified representative to support the established value even if the Selectmen/Assessors have reduced the value as part of the proceedings defined in RSA 76:16. However, if the Selectmen/Assessors increase any value established by the Company, they forfeit their right to Company representation.

### 8. SERVICES TO BE PERFORMED BY THE MUNICIPALITY/CITY

8.1 The Municipality shall notify the Company, in writing, what property is exempt from taxation or for any reason dangerous or unsafe, so special arrangements can be made.

8.2 Office Space and Equipment.

The Municipality shall provide suitable office space with desks, tables, telephone access and chairs for the use of the agents and employees of the Company in performing their necessary work. The Company shall furnish any needed typewriters, adding machines, calculators and other such equipment. The municipality shall provide a <u>private phone line</u> for the scheduling of interior inspections, as well as the informal review appointments.

3.3 Records and Maps.

The Municipality shall furnish to the Company information pertaining to ownership of all property in the Municipality, including two sets of up-to-date tax maps, zoning maps, charts, plans and sales information which may be requested by the Company in performing its work under this contract. Maps must show lot size and road frontages. If lot size and road frontage is not on the maps, it must be provided by the town with the maps.

### 8.4 Sales Information.

The Municipality shall keep the Company informed of all sales of property taking place during the progress of the update of which it has knowledge, shall make corrections on municipal maps as of April 1 of the update year where lots have been subdivided, merged or apportioned, and notify the company of all ownership, name and address changes.

### 9. INDEMNIFICATION AND INSURANCE

- 9.1 The Company agrees to indemnify the Municipality against claims for bodily injury, death and property damage which arises through the company's actions in the course of the Company's performance of the agreement.
- 9.2 The Company shall not be responsible for consequential or compensatory damages arising from the late performance or non-performance of the agreement caused by circumstances which are beyond the Company's reasonable control.
- 9.3 The Company shall maintain Public Liability Insurance, Automobile Liability Insurance and Workmen's Compensation Insurance.
  - 9.3.1 The Public Liability Insurance shall be in the form of commercial general liability with the inclusion of contractual liability coverage and shall provide limits of \$1,000,000 each occurrence for bodily injury liability, and \$1,000,000 each occurrence for property damage liability.

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- 9.3.2 The Automobile Liability Insurance shall be in the form of comprehensive automobile liability and shall provide limits of \$1,000,000 each occurrence for bodily injury liability. A copy of the insurance certificate shall be forwarded to the Department of Revenue Administration before starting any work.
- 9.4 The Company shall maintain certificates of insurance on record with the Department of Revenue before staring the revaluation confirming the required insurance coverage and providing that the State shall receive ten (10) days written notice of the cancellation or material change in the required insurance coverage.

### 10. PERFORMANCE BOND

The Company, before starting any update work shall deliver to the Municipality an executed bond or irrevocable letter of credit in the principal sum of the amount to be paid by the Municipality to the Company, if required, as provided in sub-paragraph 2.6, as security for the faithful and satisfactory performance of this contract and shall not expire before final values are submitted to and accepted by the assessing officials. A copy of the bond or irrevocable letter of credit shall be forwarded to the Department of Revenue Administration before starting any work.

### 11. PROJECT SIZE

It is agreed between the parties that the entire project consists of an estimate of  $\underline{1,003}$  tracts as defined by RSA 75:9, and that in the event that the number should exceed 100% of said estimate, the company shall be entitled to additional remuneration based on  $\underline{\$35}$  per parcel/tract.

12. ADDENDUMS AND APPENDIXES

No measure and list, except sales properties.



# **Agreement Execution**

*Bond Required by Town Plea Additional Cost of <u>\$960</u> New Total, If Bond Required <u>\$</u>	se Check One & Initial: Yes  No  \( \sum_{32,960} \)
In the presence of:	Municipality of: Greenfield, N.H.
Que R. Patt Witness	By: Rhymfory  Recent Oay  Debra M. Daerdon  Board of Selectmen  Date: Actober 31,2013
In the presence of:	Company: Avitar Associates of N.E., Inc.
Steery Than- Witness J	By: Loren J. Martin, President of Assessing Operations or Gary J. Roberge, CEO
	Date:

### **AVITAR PERSONNEL**

<u>ID</u>	<b>EMPLOYEE</b>	<b>AVITAR POSITION</b>	NH DRA CERTIFICATION
GR	Gary J Roberge	CEO, Sr Assessor	Certified Property Assessor Supervisor
LM	Loren J Martin	President, Sr Assessor	Certified Property Assessor Supervisor
DW	David Woodward	Assessor/Supervisor	Certified Property Assessor Supervisor
CJ	Connie Jackson	Assessor/Supervisor	Certified Property Assessor Supervisor
MS	Mark Stetson	Assessor/Supervisor	Certified Property Assessor Supervisor
CR	Chad Roberge	Assessor Assistant	Certified Property Assessor Assistant
KC	Kerry Connor	Assessor Assistant	Certified Property Assessor Assistant
JB	Jonathan Babon	Assessor Assistant	Certified Property Assessor Assistant
DM	Dan Martin	Assessor Assistant	Certified Property Assessor Assistant
ER	Evan Roberge	Assessor Assistant	Certified Property Assessor Assistant
AD	Adam Denoncour	Building Data Collector	Certified Building Measurer & Lister

# **SECTION 1**

# C. PERSONNEL & QUALIFICATIONS

# PERSONNEL WHO CONTRIBUTED TO THIS PROJECT

<u>ID</u>	<b>EMPLOYEE</b>	<b>AVITAR POSITION</b>	NH DRA CERTIFICATION
GR	Gary J Roberge	CEO, Sr Assessor	Certified Property Assessor Supervisor
LM	Loren J Martin	President, Sr Assessor	Certified Property Assessor Supervisor
MS	Mark Stetson	Assessor/Supervisor	Certified Property Assessor Supervisor
CR	Chad Roberge	Assessor	Certified Property Assessor
KC	Kerry Connor	Assessor Assistant	Certified Property Assessor Assistant
DM	Dan Martin	Assessor Assistant	Certified Property Assessor Assistant
ER	Evan Roberge	Assessor Assistant	Certified Property Assessor Assistant
JB	Jonathan Babon	Assessor Assistant	Certified Property Assessor Assistant
AD	Adam Denoncour	Building Data Collector	Certified Building Measurer & Lister

DRA certification can be verified online at the State of NH DRA website at <a href="https://www.nh.gov/revenue">www.nh.gov/revenue</a> as the Department of Revenue approve and certify all assessing personnel in the state.

# **SECTION 1**

# **D. DATA COLLECTION**

### I. Introduction to Data Collection (No data collection was part of this update)

The task of the Measurer and Lister or Data Collector, as we refer to them, is to collect data pertaining to:

Square footage Exterior and interior characteristics Overall quality and condition of all building and land

Data Collectors are extremely important and are an integral part of the revaluation process. The data collected by the Measurer and Lister is used to establish the fair market value of properties for ad valorem taxation. Therefore, it is critical that such data be collected accurately and consistently to the best of their ability. The degree of accuracy obtained will directly reflect the overall quality of the individual appraisal, as well as the entire town wide revaluation.

In many instances, it is only the Data Collector who the homeowner meets. Their ability to be courteous and professional lends credibility to the entire job. Conversely, a nonprofessional and discourteous attitude will create a very negative atmosphere throughout the town and promote distrust, as such, it is not tolerated.

Our staff is well trained, most with numerous years of experience. They are trained to measure and list all physical information, as well as note abnormalities in building or land condition for the Appraisal Supervisor's use on final review. Not all items noted or measured will directly impact value, but are noted for consistency and accuracy. A picture of the building, waterfront or view may be taken at this time to be attached to the assessment record card.

All personnel carry Company ID badges and their vehicles are marked with signs "Municipal Assessor". The Town Hall staff and/or the Police Department are notified of all staff working in the town and maintain the identity of and vehicle registrations for each employee.

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**DATA COLLECTION FORM SAMPLE, (DCF)** 

#### **II.** Data Collection Form = DCF

The DCF document is a form onto which all information about the parcel is written. Each designated lot on a tax map should have a corresponding DCF. If a DCF is lacking for a lot, one is created.

# Map - Lot - Sublot: Owner - Location - City - State

This information is important and serves to identify the lot, location and corresponding owner. This information is supplied by the town, generally in the form of computerized labels which are transferred to the DCF. When in the field, it is very important to determine if the information written on the label is accurate. If there are any discrepancies, it is noted on the DCF. Mapping and ownership problems must be identified and it is the town's responsibility to resolve these discrepancies. If information is missing, accurate information is obtained so that the label is complete.

In addition to map and owner information, a special code or account number may occasionally be found on the label and is used by the town. Original DCF's should not be destroyed. If a new one is needed, it is stapled behind the original. This will eliminate the possibility of errors being made when copying the label information onto the new DCF.

# <u>Date - Book - Page - Grantor - Q/U - Code - Sale Price</u>

This section is used to describe recent sale information when available. When it exists, it is verified and noted on the DCF with a code of "VBO" meaning Verified by Owner. If no sales exist, we question the homeowner as to how long they have owned the property, if less than three years, sales information is obtained from the owner.

During our introduction to the property owner, we include the following or something similar:

Approximately when was the home built and how long have you owned it?

If they are new owners (within the past three years), we request and write down the date of the purchase, from whom the home was purchased, and whether or not other items were included in the sale such as boats, furniture, beach rights, if near water, etc. and if changes were made to the property after the sale which are noted appropriately.

<u>ARMS LENGTH SALE</u> = Willing seller and willing buyer, both of whom are knowledgeable concerning all the uses of the property and having no previous relation and neither are under any undo duress.

It is indicated on the DCF if any information relative to the sale or other circumstances causing the selling price to be abnormally high or low is known.

It should be noted that some property owners may be reluctant to offer information regarding their purchase, as such; it is not always noted on the DCF.

# **History**

This section is for the date, the assessor's initials, the reason they were there and the action taken. Listed below are codes of various actions. Characters one & two are the initials of assessor/lister, three is why they were there and four is the action taken.

ie: "04/04/2007 JDRL" indicates that <u>Jane Doe</u> visited the property on April 4, 2007 for the <u>revaluation</u> and <u>measured and listed</u> the property.

Third Character/Why	Fourth Character/Action
A = Abatement/Appeal	E = Estimate
C = Callback	L = Measure & Listed or just listed after a previous
H = Hearing	measure/or used on vacant property to prevent a future unnecessary list letter.
P = New Construction/Pickup	M = Measure Only
S = Subdivision	R = Reviewed
T = Town/Taxpayer Request	X = Refusal with notes
U = Update	w w and an
V = Verification Process	<u>Used with 3<sup>rd</sup> Character H only</u>
	C = Change used w/Hearing Only
	N = No Change used w/Hearing Only

INSP - System Applies to Properties Selected for Data Verification in either the Random Select Process or Block Formation Process.

# **ACTIONS**

 $\mathbf{E} = \mathbf{ESTIMATED}$  - Interior characteristics are estimated when entry is not possible, either now or in the future. Some common reasons for estimating interiors are:

- Attempted to obtain a list at two different times and no one has been present.
- Homeowner has refused to allow interior inspection or to give the information about the interior that was requested or information given was questionable.
- Abandoned buildings.
- Posted properties.

**L** = **LISTED** - A person (not necessarily a homeowner) was asked questions about the property, and a walk through of the entire dwelling was made. If the owner refuses to help, by not allowing an interior tour or requesting us to leave the property, all such information is clearly noted on the DCF.

M = MEASURED only.

**R** = **REVIEWED** - Generally there for an abatement, appeal, or comparable research and review of property information, refers to exterior review only.

X = REFUSED - Homeowner or person talked to at the property has refused to:

- Allow the building to be measured.
- Allow a walk-through of the home.
- Or, requested to leave the property.

It should be noted that these codes apply only to property visits performed as part of this update.

# **LISTING THE PROPERTY**

# **Building Site & Land Topography Description**

Undeveloped/Wooded A tract of land that is not improved with water, septic (or sewer) or

electric.

Undeveloped/Cleared Same as undeveloped wooded, but an area that could be a house

site is cleared of trees or is a field.

Natural Often found on seasonal/camp style properties and at times, on some year round

homes. Typically, have little to no landscape features.

Fair Normally lacks lawn area and due to limited site conditions like topography, may

have undesirable site, normally below average lacking landscape.

Average Typical landscaping features consisting of lawn area and some typical ornamental

features such as, trees or shrubbery or minor garden/flower beds.

Good Typically consists of nice lawn area, desirable ornamental features such as trees,

shrubbery or garden/flower beds or minor amounts of stonewalls or walkways.

V. Good Typically nice landscaped lawn and ornamental shrubbery professionally designed

or a non-professional well designed layout, with some or all of the above.

Excellent More expansive or manicured lawn areas and ornamental shrubs and trees or

contain stonewalls or stone walkways or pond areas in a generally well laid out

professional looking design.

Best Extensive manicured lawn areas which include a combination of extensive

trees/shrubs, well laid out gardens/flower beds and stonewalls and/or stone walls

and/or pond areas in a well designed professional looking landscape.

**Topography** 

Level Flat, no hills, little to no ups or downs.

Mild Mostly level topography with minor slopes and/or very gentle rolling topography.

Rolling Typically rolling terrain with ups and downs or terraced areas or minor grade

changes.

Moderate Can have level areas, but predominately sloping topography which can be

typically overcome by development, but costs are typically higher. Slopes can be readily walked and most people typically could control themselves if they fell on

the slope.

Steep Typically highly sloping terrain, but not as severe as severe slopes. Development

costs are typically higher, but developable with added costs. Generally difficult to

walk, but can be safely walked with care.

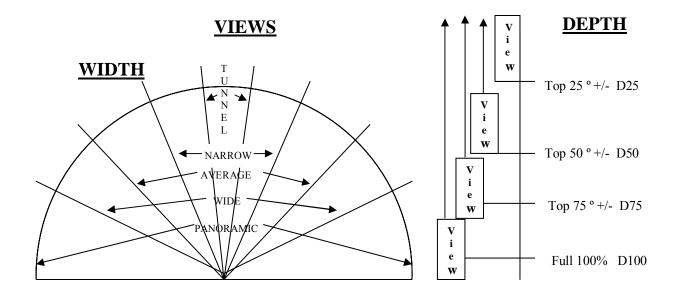
Severe Typically extreme sloping topography that would normally be viewed as

unbuildable due to extremely high site costs for well, septic, driveways and home

site creation. Typical person would not be able to walk or climb easily.

<u>Driveway</u> Gravel/Dirt; Nat/Grass; Paved; Undeveloped.

Road Gravel/Dirt; Paved; Undeveloped.



SUBJECT *	<b>DISTANCE</b>	
LAK Lakes	NER or CLS	Near or Close – trees are visible & distinguishable
MTS Mountains	DST	Distant – you know there are trees but they are not distinguishable
HLS Hills	EXT	Extreme – no visual ability to distinguish tree cover
PST Pastoral		
STR Streams/Rivers		
LMT Lakes & Mountains		

<sup>\*</sup>Descriptions can vary by town and are defined in the cost tables

View note samples: Noted as Width/Subject/Depth/Distance TUN/MTS/D75/DST

(Tunnel view of Mountains 75% Deep, Far Away)

The factors applied are all listed and defined in Section 9.

# **LISTING THE PROPERTY**

# **Building Style & Normal Story Height**

BUILDING STYLES\* PREDOMINATE STORY HEIGHT

Ranch One Story
Mobile Home One Story

Cape 1-1/2, 1-3/4 Story

Saltbox 1-3/4 Story Gambrel 1-3/4, 2 Story

Colonial 2 Story

Raised Ranch One Story w/Raised Basement

Tri-Level Split-Level
A-Frame One, 1-1/2
Camp One Story
Conventional 1-3/4 - 2-3/4

<sup>\*</sup>Building styles are for descriptive purposes only and do not affect the value.

# **Story Height Explanation (See Story Height Examples)**

The story heights are based on the amount of floor space which has headroom for the average person, we use six (6) feet for this calculation. What this means is if the upper floor of a particular house has only 100 usable square feet as defined above, and the first floor area is 400 square feet, then the house will be classified as one (1) story with a finished or unfinished attic.

The critical thing to notice when listing the house is the amount of headroom available in the upper stories and the approximate floor space covered. Use of this method to classify story height will facilitate consistent story height classification. The story height of the main section of the building is used to establish the story height description of the structure.

One Story (Typically - Ranch or Camp style buildings): The living area in this type of residence is confined to the ground floor. The headroom in the attic is usually too low for use as a living area and is used for storage only; however attics are possible, providing about 25% of the first floor space.

One & Half Story (Typically - Cape & Conventional style buildings): The living area in the upper level of this type of residence is around 50% of the ground floor. This is made possible by a combination of high peaked roof, extended wall heights and/or dormers. Only the upper level area with a ceiling height of 6 feet or more is considered living area. Measurements are taken by holding the tape at the 6 foot height mark and then measuring across the building. The living area of this residence is the ground floor area times 1.50. Some homes may be classified with a half story but have less than 50% useable space and classified as ATU or ATF in the sketch.

One & Three Quarter Stories (Typically - Cape, Conventional & Gambrel style buildings): The living area in the upper level of this type of residence is made from 65% to 90% of the ground floor. This is made possible by a combination of high peaked roof, extended wall heights and/or dormers. Only the upper level area with a ceiling height of 6 feet or more is considered living area. The living area of this residence is the ground floor times 1.75. See description on 1-1/2 stories for details on how to measure.

**Two Stories (Typically - Colonial, Conventional & Gambrel style buildings):** The living area in the upper level of this type of residence is 90% to 100% of the ground floor. The living area is the ground floor times 2.0.

**Split Levels (Typically - Raised Ranches or Tri-Level style buildings):** This type of residence has two (2) or (3) living area levels. One area is about four (4) feet below grade and the second is about (4) feet above grade and the third is above or right on top of one of these. The lower level in this type of residence was originally designed and built to serve as a living area and not a basement. Both levels have full ceiling heights. Another variation is an added third living area at or above ground level.

**Coding:** A three (3) character acronym coding system is used to classify areas and story heights of buildings. The following is the coding system and descriptions which is used in identifying areas of the sketch:

- **ATF\*** ATTIC FINISHED Access is through permanent stairs, normally no more than 25% of the total floor area and has 6 foot ceiling height.
- **ATU** ATTIC UNFINISHED No interior finish. (Same as above)
- **BMF\*** BASEMENT FINISHED Below grade and meets at least three of these four criteria: finished floors, finished walls, finished ceilings and heat.
- **BMG** BASEMENT GARAGE Generally sectioned off from the rest of the basement.
- **BMU** BASEMENT UNFINISHED Known as cellar and is below grade.
- **COF** COMMERCIAL OFFICE Refers to office area in commercial buildings not built for offices, such as factories and warehouses.
- **CRL** CRAWL Basement having 5' or less headroom.
- **CPT** CARPORT A roofed structure generally with 1 or 2 walls and attached to the main structure.
- **CTH** Cathedral ceiling area, this is where the ceiling height is greater than 12 feet.
- **DEK** DECK An open deck or entrance landing with no roof.
- **ENT** ENTRANCE Entrance Landing with no roof, 3x3 and larger, normally unable to place a chair and sit.
- **EPF** ENCLOSED PORCH Typically unheated & uninsulated area. May have small heater, but is of seasonal use. Finished walls, floors and ceilings.
- **EPU** COVERED BASEMENT ENTRY All four sides are tight to weather, entrance to BMU, other than metal door (bulkheads).
- FFF\* FIRST FLOOR FINISH Living space with full ceiling height and finished interior.
- **FFU** FIRST FLOOR UNFINISHED Similar to FFF, but unfinished interior.
- **GAR** GARAGE A structure large enough to hold and store automobiles at grade level.
- **HSF\*** HALF STORY FINISHED Usually an upper level story with approximately 40% to 60% of floor area available and used for living space. (6 foot ceiling height).
- **HSU** HALF STORY UNFINISHED Same as HSF, but interior is unfinished.
- **LDK** Loading Dock area. Raised platform of cement.
- **OFF** OFFICE AREA Finished area within home used primarily for business.
- **OPF** OPEN PORCH Roof structure with floor, but at least one (1) side is exposed to the weather. Screened porches are considered OPF's.
- **OPU** OPEN PORCH UNFIN Same as OPF, however, there is little to no finish.
- **PAT** Patio area of stone, cement, brick, etc.
- **PRS** Piling driven into the ground or other material used to support a building off the ground. Normally found with camps or seasonal construction.
- **RBF\*** RAISED BASEMENT FINISHED Used on raised ranch (split level) and Tri-Level homes or any building where 3 of the 4 walls or all 4 walls are 3' to 4' above ground, creating greater utility than a normal basement, or 1.5 or more walls with large windows providing good natural lighting in the basement, and walkout access.
- **RBU** RAISED BASEMENT UNFINISHED Same as RBF, but unfinished.
- **STO** STORAGE Unfinished area used for storage. Not easily converted to living space.
- **SFA** SEMI-FINISHED AREA Enclosed areas finished similar to living space, but not living space, such as indoor pool enclosures.
- **SLB** SLAB Foundation description where no basement or crawl space exist. Poured cement slab
- **TQF\*** 3/4 STORY FINISHED A finished area with approximately 75% of floor area usable as living space.

- **TQU** 3/4 STORY UNFINISHED Same as TQF, except unfinished.
- **UFF\*** UPPER FLOOR FINISHED Upper floor living space with full ceiling height and finished interior.
- **UFU** UPPER FLOOR UNFINISHED Same as UFF, except there is no finished interior.
- **VLT** VAULTED CEILING Ceilings which are slanted or extended above the normal 8 feet, but less than 12 feet.

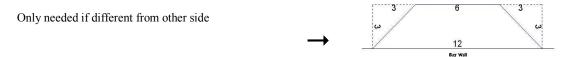
\*Finished area is denoted by 3 or 4 finishes in a space – heat, floors, walls and ceilings.

#### **Notes:**

- 1.) <u>Attics</u> Attics are only classified if they are accessed by a permanent stairway. Attics which are accessed by pull down stairs or ladder are not assessed, but should be noted in the notes.
- 2.) <u>Basements</u> Below grade areas with at least 5' or more headroom are considered basements. Areas with less than 5' of headroom are considered crawl space. A note should be made when access to the basement is from the outside of the home only. Usable basement areas should be measured, drawn and coded on the sketch. If basement areas are estimated, a note should be made of this estimate in the remarks section.
- 3.) Office Areas Office areas should be measured and drawn on the sketch for all commercial buildings, not designed specifically for offices, ie. garages, warehouses, factories, etc.
- 4.) <u>Cathedral Ceilings</u> Cathedral ceiling areas must be measured when entry into the home is obtained. The area of the cathedral ceiling (length and width) must be drawn and depicted in the sketch area.
- 5.) <u>Vaulted Ceilings</u> Areas where the ceiling is pitched upward, not flat by about 2 to 5 feet, but less than one-story which is the typical height of a cathedral ceiling.

# **Bay or Bow Window**

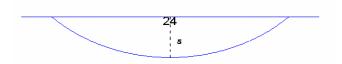
A bay or bow window is a projection on the side(s) of a house which may or may not be considered a livable area. If the bay window(s) include usable floor space, it must be measured, drawn on the sketch at its actual location and properly labeled. Bay windows are most often angled and are drawn to scale on the sketch as they exist, plus a few extra measures as described below to allow for accurate area calculations.



How to measure and sketch a bay window:

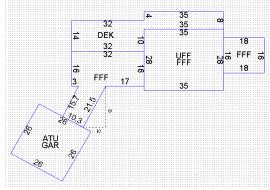
- 1.) Classify the bay window according to its appropriate story height.
- 2.) Check for basement area under the bay window upon listing.
- 3.) Bay windows are only picked up when they include floor space.

In the case of a **Bow window**, the same floor area requirements exist as with the bay window. However, measuring is a bit different. We need to know the depth of the window (5') and the length (24') to be able to sketch and calculate the area. In this case, the length from the point where the bow begins to where it ends is 24 feet. The altitude of the arc created by the bow, or the depth of the window, is 5 feet.



#### **Angles**

Angles are a common type of measure that we come across in the field and it is crucial when measuring an angle to have enough written measurements on the sketch. The square footage on an angle cannot be computed if the appropriate measurements are not placed on the drawing. Create a right triangle on the ground where the hypotenuse is the building wall that is at an angle from the main structure, and then draw that triangle in your sketch giving all the measurements.



The two dashed lines form a 90° angle or right triangle with the building wall being the hypotenuse. Record all the dimensions accurately. With this information, the ATU/GAR addition and the FFF area can be drawn and calculated accurately.

#### STRUCTURAL ELEMENTS

Structural elements describe exterior and interior characteristics of the house. The following is a description list of each structural element:

#### **EXTERIOR WALLS**

Two (2) entries possible, the 2 most predominate

**MINIMUM:** Plywood. Subwall sheathing with tar paper cover as a permanent

siding.

**BELOW AVERAGE:** Siding not otherwise described and reflecting less than average

quality; ie: masonite, rough sawn lumber w/bark.

**NOVELTY:** Denotes wood siding, generally found on camps, with or without

sheathing underneath.

**AVERAGE:** Siding not otherwise described and reflecting average quality (for

comparison purposes other average quality sidings include novelty,

board & batten & clapboard). All forms of softwood.

**BOARD & BATTEN:** Vertical boards with narrow wooden strips called battens covering

the joists.

**ASBESTOS SHINGLE:** Typically the shingles are hard and brittle with noticeable grain or

textured surface, non-flammable material that comes in 1x2

sections used in homes circa 1940 - 1960's.

**LOGS:** Logs that are not simulated log.

**ABOVE AVERAGE:** Siding not otherwise described and reflecting better than average

quality.

**CLAPBOARD:** Wood siding having one edge thicker than the other and laid so that

the thick edge overlaps the thin edge of the previous board, not

cedar or redwood, usually has knots.

**CEDAR OR REDWOOD:** Most commonly found as vertical siding, or at various angles on

contemporary style housing, also exist as very high grade clapboard or shingles can have knots on low side of

cedar/redwood.

**PREFAB WOOD PANEL:** A type of plywood siding of which there are unlimited varieties on

the market. (T-111) Typically, a 4x8 sheets.

**DECORATIVE BLOCK:** Cement block that is either fluted or has a rough finish which

appears like it has been broken in half.

**WOOD SHINGLE:** Shingles not of cedar or redwood, good quality shingles, but not

above average.

**CONCRETE/CINDER:** Concrete or cinderblock siding.

STUCCO: Stucco veneer on concrete, cinder block or wood.

**ASPHALT:** Asphalt composition shingle, usually on modest housing.

**BRICK ON VENEER:** Brick veneer on wood or metal frame construction with wood

sheathing.

**BRICK ON MASONRY:** A load bearing structural wall. Not brick buildings.

STONE ON MASONRY: Refers to various stone or stone veneers usually on a load bearing

masonry wall.

**VINYL SIDING:** Clapboards made of vinyl with various grades or qualities. Typical

siding used in today's construction due to low cost when compared

to cedar clapboard.

**ALUMINUM SIDING:** Same as vinyl, but with aluminum material, clapboard style siding

made from aluminum.

**PRE-FINISHED METAL:** Enameled or anodized metal commonly found on campers/mobile

homes, commercial and industrial buildings.

GLASS/THERMOPANE: Vacuum packed glass sandwich, usually tinted and commonly

found on large commercial and office buildings.

**SOLID BRICK/STONE:** Solid masonry walls; precast concrete panels.

**CEMENT CLAPBOARD:** Cement fiber siding. Asbestos-free fiber and cement combined and

pressed together in the shape of a clapboard. Holds paint very

well.

**MASONITE:** Composite pressboard/fiberboard, if not maintained will show

areas of rot.

# **ROOF STRUCTURES**

**FLAT ROOF:** Flat, no pitch to any direction.

**SHED ROOF:** Single direction sloping.

**GABLE:** A ridged roof with two pitches slopping away from each other.

**HIP:** A roof that rises by inclined planes from all four sides of the house

to one common ridge or point.

**SALTBOX:** Essentially the same as a gable roof, but one of the two slopes is

much longer than the other.

**MANSARD:** Similar to hip roof, but having a flat area on the top or changes the

pitch of incline part way.

**GAMBREL:** A roof with two distant slopes on each side forming four roof

planes.

**IRREGULAR:** Otherwise not described and having many different angles, shapes

and slopes, i.e. bow style roof.

#### **ROOF COVER**

**METAL/TIN:** Tin or metal covering, often times corrugated like ribbon candy,

typically 4x8 sheets, light gauge.

**ROLLED COMPOSITION:** 

Typically a felt saturated with asphalt and granule stones on the

surface. It comes in a roll. Good for low pitch roofs.

**ASPHALT/FIBER:** Standard type of shingle used today. It can be single or three tab.

Including Architectural style shingles.

**TAR/GRAVEL:** A flat or very low pitched roof coated with tar material and then

covered by a uniform crushed gravel material. This is normally

seen on commercial/industrial buildings.

**RUBBER MEMBRANE:** A thin sheet of rubber seamed together. Typically found on flat

roofs. It is typical for commercial/industrial buildings.

**ASBESTOS:** Shingles of rigid fireproof asbestos. This is typically laid in a

diamond pattern. It is very brittle and used in homes circa 1940-

1960's.

**CLAY/TILE:** Terra Cotta roofs that are not typically found in New England.

**WOOD SHINGLES:** Wood shingle or shake. Wood shakes have random thicknesses as

they are hand split.

**SLATE SHINGLES:** Rectangular pieces of slate, each overlapping the other.

#### **CORRUGATED COMPOSITION:**

It is typically, in 4'x8' sheets. This includes Anjuline panels.

**PREFAB METAL:** Modified corrugated metal panels that are one piece which run

from ridge to soffit. These are either nailed or screwed.

HIGH QUALITY/COMPOSITION:

This is a newer roof that is typically found on higher priced homes. The material can be made with almost any material. Pressed or formed to look like slate or shake. Life expectancy is 50 years.

**STANDING SEAM:** Heavy gauge metal roofing that "stands up" at seams about 2",

every 6-8 inches in an upside down cone fashion with a 50 year

life.

# **INTERIOR WALLS**

Two (2) entries possible, choose the 2 most predominate

MASONRY/MINIMUM: Cinder block or concrete form/or studs, no finish.

**WALL BOARD:** Composition 4' x 8' sheets, such as Celotex.

**PLASTER:** All plaster backed by wood lattice attached to the studs.

\*\*WOOD/LOG: Tongue & groove construction, logs, wainscoting.

**DRYWALL:** A rigid sandwich of plaster and paper.

**PLYWOOD PANEL:** 4' x 8' plywood panel sheathing comes in many grades and styles.

**AVERAGE FOR USE:** Is generally used for commercial/industrial buildings to describe

the interior finish as being normal for that style building and use.

#### **HEATING FUEL**

**WOOD/COAL:** Chosen only if there is no conventional heating system. Wood

stoves only. (Such as in camps, cottages).

**OIL:** May be identified on the exterior by the presence of oil filler pipes,

kerosene or K1 are also fuel oil.

GAS: LP or propane gas - these can be identified by LP gas which has a

meter on the side of the house or propane gas will have a large tank

on or in the ground.

<sup>\*\*</sup>Custom Wood is now being called Wood/Log. Custom Wood was meant and used to mean solid wood interior, and the term custom was improperly used. As such, it is being corrected, the term custom wood and wood/log are synonymous, interchangeable and carry the same value. The overall quality grade of the house accounts for various wood and design qualities.

**ELECTRIC:** Baseboards or geothermal.

**SOLAR:** Solar panels can be viewed on the roof area.

#### **HEATING TYPE**

**NONE:** No heat.

**CONVECTION:** Heat transfer through dispersion. (Wood stove/monitor or Rennai

type heat).

FORCED AIR NOT DUCTED:

Has blower to blow heat through one vent, no duct work in the

house.

FORCED AIR DUCTED: Series of ducts throughout the house, for hot air to be blown

through.

**HOT WATER:** Forced hot water through baseboards.

**STEAM:** Radiators.

**RADIANT ELECTRIC:** Electric baseboard, typical electric heat, oil heat supplied through

floors, panels in the walls or ceilings.

**RADIANT WATER:** Hot water heat in the floors by tubing under flooring with hot water

through them.

**HEAT PUMP:** Electric unit which provides forced air heat, usually combined with

central air conditioning.

**GEOTHERMAL HEAT:** Listed as electric under heat fuel and heat pump under heat type.

#### INTERIOR FLOORING

Two (2) may be chosen, the two most predominant are listed.

**MINIMUM PLYWOOD:** Plywood subfloor or underlayment.

**CONCRETE:** Concrete slab usually commercial or industrial.

**HARD TILES:** Quarry, ceramic tiles or polished stamped concrete.

**LINOLEUM/VINYL:** Refers to all forms of linoleum type products of various designs

and shapes. This also includes commercial grade vinyl tiles as

seen in some schools and grocery stores.

**PINE OR SOFTWOODS:** Pine or softwood boards covering floor area.

**HARDWOOD:** Generally oak, cherry, maple, birch, bamboo or ash woods.

**PERGO/LAMINATE:** A laminate wood look floor that is very durable.

**PARQUET FLOORING:** Refers to a surface made of small pieces of hardwood, solids and

veneers in various patterns and designs.

**CARPET:** Wall to wall carpet of good grade, usually found over the subfloor

material, but occasionally covering other floor covers as a

replacement.

**AVERAGE FOR USE:** Is generally used for commercial/industrial buildings to describe

the floor as being normal for this type of structure and use.

#### NUMBER OF BEDROOMS

Bedrooms should be counted considering the resale value, rather than the homeowner's personal use of the rooms. For example, if you go upstairs and find three (3) rooms and a bathroom and the owner says there are only two (2) bedrooms, the other room is used as a library, sewing room, office, etc., then for our purposes, that third room is a third bedroom. One must be careful because libraries, offices and sewing rooms can be legitimate depending on the location in the house and access. Presence of a closet space generally is reason to classify as a bedroom(s). However, it should be noted that a closet is not the only measure to determine, ie: many homes had no closets in the bedroom, yet they are still classified as bedrooms.

# **BATHS OR BEDROOMS**

Count the physical number of rooms and total fixtures. For bathrooms, enter the number of rooms and under fixtures, enter the total number of fixtures. A fixture is a bath, sink, shower, urinal, bidet, Jacuzzi tub, etc.

#### **Commercial Baths**

0 = None

1 =Below average for use

2 = Average for use

3 = Above average for use

4 = Extensive for use

#### **GENERATORS**

Number of units found. Notes on size and model should be made. This option to assess as part of the building characteristic is available; however, it may or may not be implemented in this community.

#### EXTRA KITCHEN

Number of kitchens that exist beyond the first/main kitchen in the home. This is normally seen in in-law apartments or additional living areas. This option to assess as part of the building characteristic is available; however, it may or may not be implemented in this community.

# **AIR CONDITION SYSTEMS**

Room air conditioners are not considered, unless permanently built in.

**NO:** None exist, or only room units are present.

YES: Normally a large compressor found outside with complete duct work throughout

house or parts of the house, sometimes combined with a heat pump.

If a permanent wall unit is found, it will be noted as central air and an estimated percentage of the cooled area will be noted, ie 25%, 50%, 75% or 100%.

# **NUMBER OF STORIES**

The number of stories should be identified and noted on the DCF upon measuring. The number of stories will be further adjusted for accuracy, if needed, upon listing or review. If the building has multiple story heights, the area with the most square footage should determine the overall story height classification. However, each section of the house should be correctly labeled as it exists on the sketch.

# **QUALITY ADJUSTMENT**

Quality adjustment refers to the overall quality of construction, marketability and desirability of the property.

Defined as:	B5 = Cxgtci g"/72' B4 = Average -40% B3 = Cxgtci g"/52' """ B2 = Average -20% B1 = Average -10% A0 = Average	A3 = Average +30% A4 = Excellent A5 = Excellent +10% A6 = Excellent +20% A7 = Excellent +40% A8 = Excellent +60%
	A0 = Average A1 = Average + 10%	A8 = Excellent +60% A9 = Luxurious
	A1 = Average + 10% $A2 = Average + 20%$	AA = Special Use

# **CONDITION**

Condition relates to the primary structures condition relative to the year built listed as:

This is also where depreciation is accounted for. Depreciation is defined as a decrease or loss in value because of wear, age, location or other causes.

#### Defined as:

<u>Functional</u> - Based on problems with design, layout and/or use of building, i.e. bathroom between 2 adjacent bedrooms with no hallway access to bathroom. Bedroom through bedroom access, very low ceiling, chimney through middle of the room.

<u>Economic</u> - Based on factors influencing value that are external to the building and beyond the owner's control, i.e. house is situated close to a nightclub, airport, dump, sand & gravel pit or any unsightly property.

<u>Physical</u> - Poor physical condition above and beyond the normal wear and tear, i.e. severe water damage, fire damage, rotted window sills, bouncing, cupping or crowning floorboards, sagging ceiling or floor.

The percentage applied to depreciation is calculated based on the severity of the issues as noted by the data collector. The Supervisor makes this determination based on the notes of the data collector. The reason for the depreciation, i.e. next to gravel pit, should be listed in the notes section with the appropriate adjustment in the depreciation section. Typically, physical depreciation relates to the cost to cure the problem.

#### **XFOB**

Extra features and outbuildings - in general, XFOB's refer to structures that are not attached to the principal building. XFOB's must be:

- a. Identified.
- b. Measured (length & width).
- c. Units or quantity (how many) identified (when length & width not used).
- d. Condition noted as a percentage.
- **IGP IN GROUND POOL** There are many different sizes of IGP's and all will need to be measured accurately. Pools may be of irregular shapes such as kidney bean. A kidney bean shape IGP should be measured on its longest length and its average width.
- **AGP ABOVE GROUND POOL** AGP's are measured and assessed starting at 18' diameter. AGP's less than 18' in diameter (or less than 250 square feet) are not assessed, but should be measured and noted on the card. Softpools are not measured, but should be noted.

Common AGP diameters and AREA calculators for round pools.

<u>Diameter</u>	Area (Units)	Length Width	
18'	254	18'	14'
20'	314	20'	15'
22'	380	22'	17'
24'	452	24'	18'
27'	572	27'	21'
28'	615	28'	22'

AGP's that are rectangular are measured on their longest length & widest width.

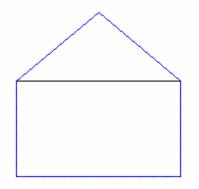
- **SHEDS -** All sheds are measured. An average new shed should have a condition of 100%. If of very good quality, increase or decrease if in poor condition.
- **DECK** Deck refers to platforms that are not attached to the primary building. Some decks will be attached to the above ground pools.

All XFOB's are measured with the exception of the following:

- 1. Childs playhouse
- 2. Tree houses
- 3. Ice or Bob houses
- 4. Bulkheads metal doors covering the entrance to the basement
- 5. Dog houses
- 6. Fire escape platforms
- 7. Handicap ramps
- 8. Metal storage boxes (or trailer bodies) on residential property.

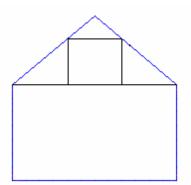
All XFOB's not picked up should be noted.

# **STORY HEIGHT EXAMPLES**



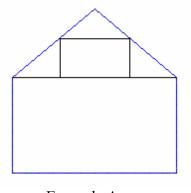


Ranch - Bungalow or comparable structures. No second floor or attic space.



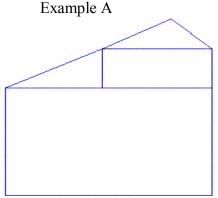
#### 1 STORY FRAME & ATTIC

Mixture of Ranch & Cape Cod Style. Camps, Cottages & Mixtures. Low headroom. Only about 25% of the first floor space has 6' headroom on the upper floor. Could be noted as 1 story dwelling or a 1-1/2 story dwelling dependent upon market information.

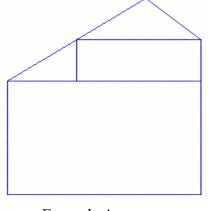


# 1-1/2 STORY FRAME

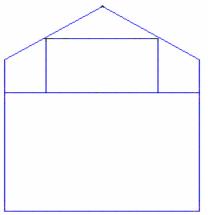
Same basic structure as above with or without shed dormers. In both cases only about 50% of the ground floor space exists in the upper floor as useable space with 6' wall height. Floor space may be larger, but ceiling slope brings the floor to ceiling height less than 6', and as a result, it is not considered upper floor area. See Example A & B Left



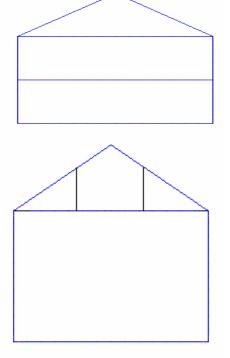
Example B



Example A



Example B



# 1-3/4 STORY FRAME

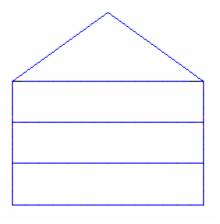
Full shed dormer or very high pitch roof without dormer found throughout the state. Second floor area is about 75% or more of the first floor area. See Example A & B Left

# **2 STORY FRAME**

Side walls fully perpendicular. Slopes in ceiling do not interfere with total use. Full ground area carried to second floor, have 6' or greater ceiling height.

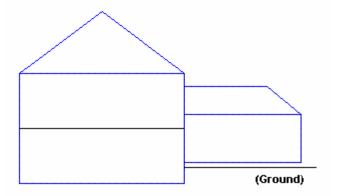
# 2 STORY FRAME & ATTIC

Has a higher pitch in roof. Stairs to third floor, providing only about 25% useable space in the 3<sup>rd</sup> floor attic area.

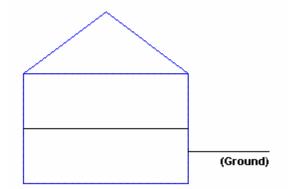


# **3 STORY FRAME**

All floors perpendicular walls, equal useable living space on all three floors.



**Tri-level** = 2 story type structures with entrance midway between the two, with an addition at a different level, usually between the other two. One level 4' below grade, one on grade and one 4' above grade.

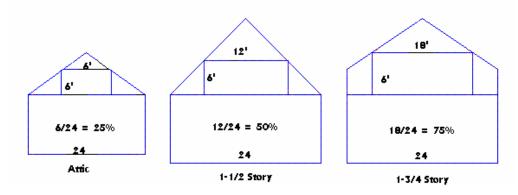


**SPLIT ENTRY** - one story Ranch Style Home ½ of lower floor foundation exposed.

There are two (2) methods to determine story height other than visually:

1.) This method is the most accurate way to determine story height. When entry into the home is obtained, the data collector will measure across the ceiling at approximately 6' in height (in the upper story(ies). This measurement will determine the upper story liveable area and from this a story height may be obtained.

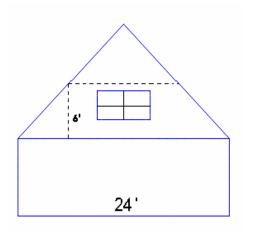
Example: Method 1



2.) This method may be utilized when entry into the home has not occurred. This method will give you a rough idea of the story height.

Run an imaginary line thru the upper part of window(s) to where it would meet the roof line. Run a second imaginary line down from this point. The distance from the side of the house to this second imaginary line is measured. Double this measurement to account for this distance on the other side. This represents nonlivable area.

Example: Method 2



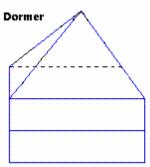
Computation: 6 x2 = 12 (12' total non livable space) 24-12=12 (12' total living space) 12/24 = 50% = Half Story

\*Note: Estimate 6' ceiling height. Normally, this is just below or at window top. It is important to know where the first floor ends and the second floor begin, via window view, as high exterior side walls may not mean higher first floor ceiling and this may increase the potential second floor area.

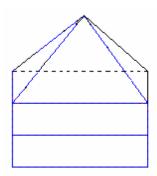
# **Dormers**

Dormers are projected roof lines that may or may not be considered as livable area. When dormers are of considerable size, they contribute to the livable area. The additional area supplied by the dormer must be included in the determination of story height.

#### **EXAMPLES**:



Normally, this is 2-1/2 story house without a dormer. Due to the addition of a full or at least 3/4 length dormer, we now have a 2-3/4 story house. Full dormer means from one end to the other. 3/4 dormer means the dormer covers at least 3/4 of the total distance from end to end.

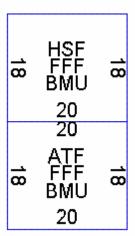


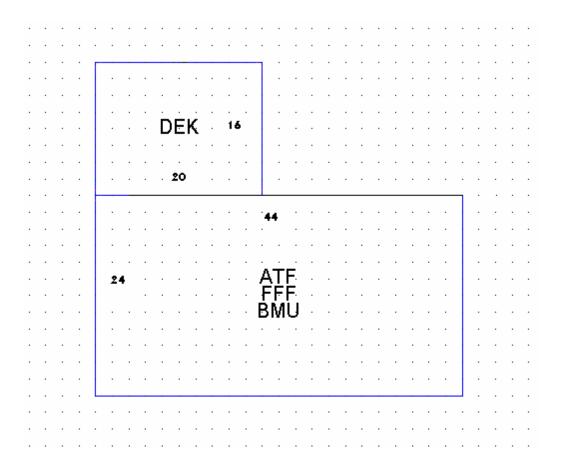
The addition of a dormer to each side of the house can transform a 2-1/2 story house to a 3 story house if full dormers or 2-3/4 story if partial dormers. It is important to note the size of the dormers, whether half, 3/4 or full.

In some cases, the dormer may be only half way down the side of the house. In this case, show the location of the dormer on the sketch with proper story height labeling.

Represents dormer addition

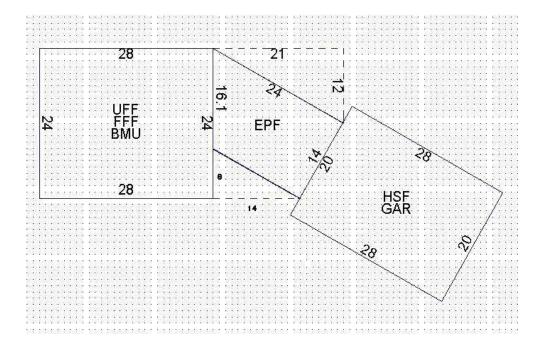






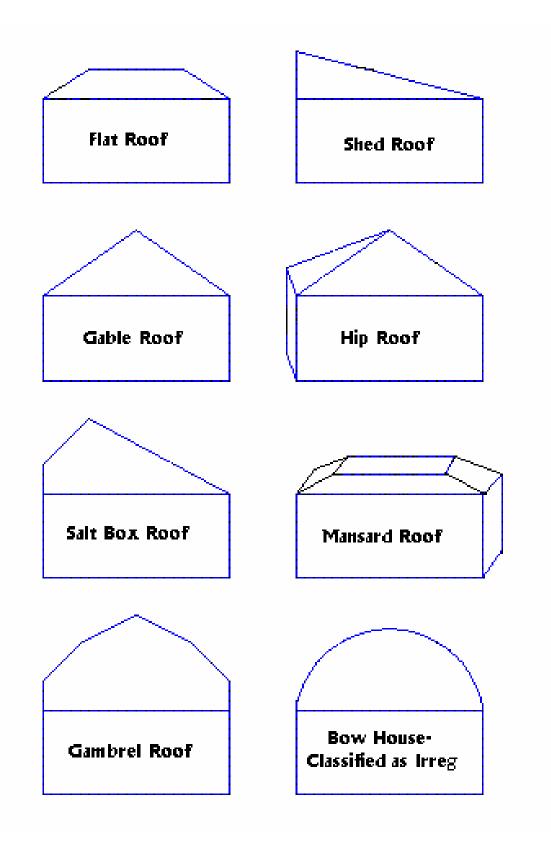
The grid on the back of the DCF is used to draw a sketch of the building to scale. Each point on the grid represents 2 feet, unless otherwise noted by the field person on the sketch.

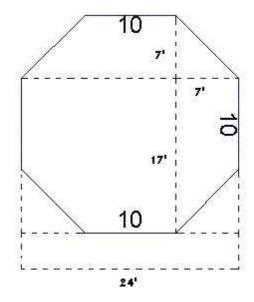
Each section is labeled by existing floors starting with the attic, upper floors, first floor or ground floor and then the basement. Order of the labels does not affect the value, but it does look more correct when labeled top down.



Whenever angles are involved, it is important to provide enough information to accurately compute the area of each section. By breaking up a section into squares, rectangles and right triangles, it makes the area calculation easier and more accurate. Too much information is better than too little. With too much information, we can simply ignore the excess and still calculate the area. With too little information, someone must revisit the property.

# **ROOF TYPES**





(Only one set is needed when the other angles are the same).

When measuring an octagon, getting interior measurements are critical. However, one can compute the necessary measurements by taking a few extra exterior measurements, as indicated. Then when entry is obtained, the interior measurements can be made to verify the area.

# **Unqualified Sales List**

27-<100% Int Transfer 21-MPC-Can Sell Separately

24-Abutter Sale18-Multi Parcel Sale37-Bank Foreclosure Sale20-Multi Town Property45-Boundary Adjustment23-No Transfer Stamps

40-Business Affil Grntr/E 44-Non Market Transfer with Trust as Grantor/ee

70-Buyer/Seller Cost Shift
11-Not Assessed Separately
66-Complex Commercial Sale
56-Other Doubtful Title

97-Conservation Easement
48-Court/Sheriff Sale
90-Current Use Assessment
82-Deed Date Old/Incomplete
39-Divorce Party Grntr/E
47-Other - Sale of Convenience
55-Other/Unspec Deed Cov
67-Personal Property
29-Plotage/Asmbl Impact
49-Pre-Foreclosure Sale

39-Divorce Party Grntr/E
31-Easement
34-Public Util Grntr/E
77-Encumbrances
89-Quick Resale

81-Estate Sale/Fdcy Cov
25-Quick Sale
38-Family/Relat Grntr/E
46-Quitclaim Deed
52-Forced Sale
36-Rel/Char/Ed Grntr/E

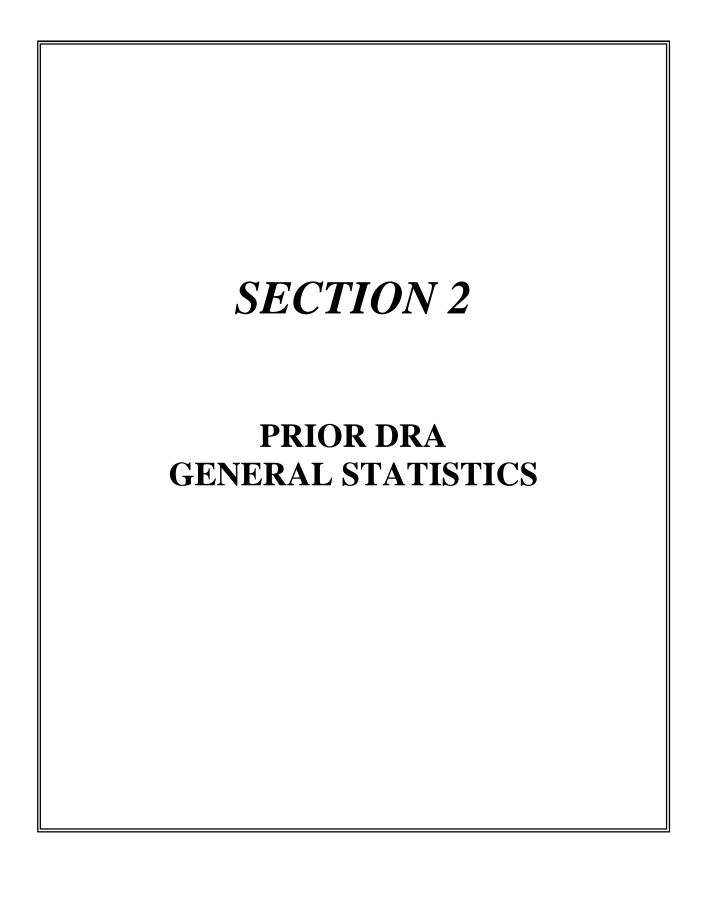
51-Foreclosure 98-Sale Related Assessment Changes

35-Govmt Agency Grntr/E 12-Subdivision-Assess/Sale 13-Improved After 4/1 80-Subsidized/Assist Housing

14-Improved After Sale
58-Installment Sale
00-Investigation in Progress
30-Timber Rights
30-Timeshare

17-L/B Assessment - L/O Sale
16-L/O Assessment - L/B Sale
57-Large Value in Trade
69-Lease W/Unknown Terms
28-Life Est/Defer 1 Yr+
22-Unknown Consideration
33-Landlord/Tenant Sale
99-Unclassified Exclusion
15-Under Construction
59-Unfinish Common Prop
60-Unident in Town Records
22-Unknown Consideration
19-Value in Exchange

26-Mineral Rights Only87-XS Locale in Sample68-Mortgage Unknown88-XS Prop Type in Sample



# **Prior Sales Analysis Information**

The following data is provided to show the sales ratio and coefficient of dispersion for the town as a whole, as well as the land only strata and the land with buildings strata, as computed by the Department of Revenue Administration, Property Appraisal Division from the most recent report. This shows the condition of the local assessment equity or the lack thereof and the reason a valuation anew is being done. This equalization study by the NH DRA is used to equalize municipal total valuations across the state, as well as determine the local level of overall assessments as compared to local sales activity. It is a thorough analysis and study of the local sales and assessment data performed with assistance from the municipality. As such, it is a good indicator of the condition and quality of the local assessments of the prior year.

Acceptable standards/guidelines, as published by the NH Assessing Standards Board

Assessment to sales ratio: 90% to 110%

Coefficient of Dispersion (COD): Not Greater Than 20

Price Related Differential (PRD): .97 to 1.03

Difference between Strata: 5%

Strata: Land only

Residential Land & Buildings

Commercials

Confidence Level: 90%

# DRA PRIOR YEAR RATIO RESULTS

The following prior year ratio statistics, developed by the NH DRA, are being provided at the request of the NH DRA. This information is not part of the contract or scope of services or USPAP Standard 6. It is historic, not current data and has no bearing or use in this revaluation. The writer accepts no responsibility for the accurate meaning or use of this data.

#### Ratio Study Year 2013

Overall Median Assessment to Sales Ratio:	<u>125.4%</u>
Coefficient of Dispersion:	<u>12.2</u>
Price Related Differential:	1.05

	<u>Ratio</u>	<b>COD</b>
<b>Residential Land Only Sales:</b>	<u>N/A</u>	<u>N/A</u>
Residential Land & Building Sales:	<u>125.4%</u>	<u>12.2</u>
Commercial Land & Building Sales:	<u>N/A</u>	<u>N/A</u>

# SECTION 3 VALUATION PREMISE

- A. THREE APPROACHES TO VALUE HIGHEST & BEST USE
- **B. ZONING**
- C. TOWN PARCEL BREAKDOWN
- D. TIME TRENDING
- E. NEIGHBORHOOD CLASSIFICATION
- F. BASIC MASS APPRAISAL PROCESS
- G. ASSUMPTIONS, THEORIES & LIMITING FACTORS
- H. TELECOMMUNICATIONS & UTILITIES

# A. Three Approaches to Value

<u>Income</u>: The "value" of real estate represents the worth of all rights to future benefits which arise as a result of ownership. An investor purchases property for the benefits (income) that the property is expected to produce. Expectation of receipt of these benefits provides the inducement for the investor to commit his own funds as "equity capital" to ownership of a piece of real estate. The value of the property depends on its earning power. The Income Approach to Value is a method of estimating the present value of anticipated income benefits. This process of discounting income expectancies to a present worth estimate is called "capitalization." This present worth estimate, the result of the capitalization process, is the amount that a prudent, typically informed purchaser would be willing to pay at a fixed time for the right to receive the income stream produced by a particular property.

In mass appraisal, the income approach is generally of limited use as it requires the property owners to provide income and expense information that, for the most part, they are unwilling to provide and do not have to provide by law. When it is provided, it is almost always with the stipulation that the information be kept confidential. For the above reasons, the income approach is mostly used as a general check against the market cost approach used in mass appraisal work based on published averages for various property types. Although held confidentially, when income data is provided, it will be considered and noted on the property record card.

<u>Market</u>: The Market Approach to Value is a method for predicting the *market value* of a property on the basis of the selling prices of comparable properties. Market value in the context of this approach means the most probable selling price under certain terms of sale or a sale for cash or the equivalent to the seller with normal market exposure.

<u>Cost</u>: The Cost Approach is that approach in appraisal analysis which is based on the proposition that the informed purchaser would pay no more than the cost of producing a substitute property with the same utility as the subject property. It is particularly applicable when the property being appraised involves relatively new improvements which represent the highest and best use of the land or when relatively unique or specialized improvements are located on the site and for which there exist no comparable properties on the market.

In the "Cost Approach," the property to be appraised is treated as a physical entity, separable for valuation purposes into site and improvements.

Although the three-approach system has become widely used, the Market Approach is clearly the central, if not the only relevant approach in estimating the value of some types of properties. The rationale of the Market Approach is that a purchaser will usually not pay more for a property than he would be required to pay for a comparable alternative property (*principle of substitution*). Furthermore, a seller will not take less than he can obtain elsewhere in the market. The *method* of the Market Approach is an empirical investigation in which the prediction of the most probable selling price is based on actual qualified market sales of comparable properties.

A qualified sale is one which reflects the true market value of the property sold. Various definitions have been offered for the term "market value," but all are predicated, as a rule, upon the following basic assumptions:

1. That the amount estimated is the highest price in terms of money for which the property is deemed most likely to sell in a competitive market.

- 2. That a reasonable time is allowed for exposure in the open market.
- 3. That payment is to be made in cash or on terms reasonably equivalent to cash or on typical financing terms available at the time of appraisal.
- 4. That both buyer and seller are typically motivated and that the price is not affected by undue stimulus.
- 5. That both parties act prudently and knowledgeably and have due knowledge of the various uses to which the property may be put.

The following is a recent definition of "market value" approved by the American Institute of Real Estate Appraisers and the Society of Real Estate Appraisers:

The highest price in terms of money which a property will bring in a competitive and open market under all conditions requisite to a fair sale, the buyer and seller, each acting prudently, knowledgeably and assuming the price is not affected by undue stimulus.

As a practical matter, a market value appraisal/assessment is the value the property would most probably or reasonably sell for as of a given date, if sufficient time had been allowed to find a buyer and if the transaction was typical of existing market conditions.

The above definitions were extracted from The Encyclopedia of Real Estate Appraising 3<sup>rd</sup> Edition.

However, it must be noted that the lack of direct local comparable sales data does not mean a feature that adds or detracts from value should be ignored. As assessors, an opinion of value must still be developed and we cannot ignore positive or negative features. NH law requires that all factors affecting value be considered. The knowledge and years of experience of the job supervisor is critical, not only when sales data exists, but more so when lacking credible local sales data, common sense and consistency must prevail.

#### MARKET MODIFIED COST APPROACH TO VALUE

This approach to valuing a large universe of properties, such as an entire municipality, is the most common approach used in mass appraisal. It is a mixture of the cost and market approaches to value. It recognizes the principal facts or information of the property and uses a consistent cost formula to develop equitable values for all property in the Municipality. Then those cost values are compared to actual sales in the community. The results are used to modify the cost tables to enable the formula to more closely follow the actual real estate market data.

## **AVITAR's**

### **CAMA: Computer Assisted Mass Appraisal**

#### Mass Appraisal

As defined by the International Association of Assessing Officers (IAAO), mass appraisal is, "the process of valuing a group of properties as of a given date, using standard methods, employing common data, and allowing for statistical testing." Mass appraisal utilizes many of the same concepts as single appraisal property appraising, such as supply and demand, highest and best use, and the principles of substitution and anticipation. In addition, in light of the necessity of estimate values for multiple properties, mass appraisal also emphasizes data management, statistical valuation models, and statistical quality control.

The Avitar CAMA (Computer Assisted Mass Appraisal) system being used is defined as a Market Modified Cost Approach to Value. What this means is that the cost approach method of estimating value is recognized as the most appropriate method to value multiple parcels. Using local costs from builders and nationally recognized cost manuals like the Marshall & Swift Cost Guide, base costs for the improvements and material types are created. Local sales are used to develop land values. Then using all the local market sales data, the cost tables are modified to reflect the local market trends. This process is called model calibration. While cost manuals, local contractors and sales data are used to develop preliminary costs for the CAMA's cost tables, it is during the calibration process where all the qualified sales data is used and tested considering several parameters, such as location, size, quality, use and story height. Through multiple reiterations of the statistics, the Job Supervisor fine tunes the model to accurately produce assessments that reasonably match or closely approximate the sales data.

This process is not perfect, as market sales data is subject to the perceptions and emotions of buyers and sellers at any given point it time. While you and I may want to buy a particular house, we will both most likely be willing to pay different amounts and the seller may or may not accept either offer. If the seller accepts a lower value before the higher offer is made, that sale then represents an indication of market value. Was it low because the higher offer wasn't made in time? For example, in a 2002 transaction, a property was offered and well advertised through a real estate agent. An offer was made and rejected. A day later, prior to a counter offer from the first offer, a new offer came in at the asking price and was accepted. Was that the market price? Well consider this:

Prior to the closing of the property, 30 days later, the buyer was offered \$20,000 to simply sign over his purchase and sales agreement to a third party. An additional 10% profit! He refused and lives in the property today, thinking he bought low.

Knowing all this, what is your opinion of the real market value?

The point here is that sales generally indicate value. While they in fact did occur, it is only one indicator of value and not every sale necessarily always reflects the true market value. In the real world, buying and selling of property is almost always subject to some sort of pressure or duress. The seller is selling for a reason, emotional or economic and the buyer is moving to the area for similar reasons, such as being close to family or a new job. In either case, in our experience there is always some form of pressure and it is this mild form of pressure that can cause similar properties in the same neighborhood on the same day to sell for different prices. **Simply stated** - the market is imperfect.

A market modified cost approach to value tends to level out these differences and as such, some values will be below their selling price, while others will be right on or somewhat above, but all should be a reasonable opinion of the most probable market value as of the date of the revaluation.

#### THE SALES DATA

At the beginning of the process, copies of all qualified arms length sales which occurred in town over the past two years are compiled. These sales are then sorted into two categories: Vacant and Improved.

The vacant land sales are then analyzed to help us identify neighborhoods, excess land values, lot values, waterfront or view influence and other values/factors necessary to properly, fairly and accurately assess land.

In the case where land sales are few or non-existing, the land residual method is used. While somewhat more technical, it is an equally accurate method whereby all relatively newly built home sales are reviewed, the building values are estimated by the use of cost manuals and local contractors, when available. The building value is then deducted from the sale price, leaving the residual value of the developed land.

We then develop cost tables for improvements to the land. Once all the physical data for each property is collected and the sales data verified, we then compute new total values for each property and test against actual sales data, hence, the Market Modified Cost Approach to value CAMA system.

Please note that not every technique described herein is used in every project. The most appropriate methods are used for each project based on the data available.

#### HIGHEST & BEST USE

For this revaluation/update, unless otherwise noted on the assessment record card, the highest & best use of each property is assumed to be its current use.

Individual property highest and best use analysis is not appropriate for mass appraisal.

"Highest & best use," has been defined as: that reasonable, legal and probable use that will support the highest present value.... as of the effective date of the appraisal.

It has been further defined as that use, from among reasonably probable and legal alternative uses, found to be physically possible, appropriately supported, financially feasible and which result in the highest land value. In those cases where the existing use is not the highest & best use, it shall be noted on the individual assessment record card.

# **B.** Zoning

Local zoning, if enacted, is a very important part of the valuation process as it defines what can or can not be done with land in defined areas of the municipality. It further sets the standards for the required lot size and road frontage needed for each zone.

The requirements of the local zoning ordinance, in effect for the assessment date of April 1, 2014, are as follows:

#### **Zone 1 - Business District (BD)**

Area - Minimum land area is one and one half (1.5) acres.

Frontage - Minimum frontage requirement is one hundred fifty (150) feet.

#### **Zone 2 - Village District (VD)**

Area - Minimum land area is two (2) acres.

Frontage - Minimum frontage requirement is two hundred fifty (250) feet.

#### **Zone 3 - General Residence District (GRD)**

Area - Minimum land area is two (2) acres.

Frontage - Minimum frontage requirement is two hundred fifty (250) feet.

#### **Zone 4 - Rural/Agricultural District (RAD)**

Area - Minimum land area is four (4) acres.

Frontage - Minimum frontage requirement is three hundred fifty (350) feet.

#### **Zone 5 - Industrial District (ID)**

Area - Minimum land area is two (2) acres.

Frontage - Minimum frontage requirement is one hundred fifty (150) feet.

# C. Town Parcel Breakdown

#### **Greenfield Parcel Count**

	# of Parcels	Value
RESIDENTIAL LAND ONLY (not including current use):	71	\$ 2,166,100
RESIDENTIAL LAND ONLY WITH CURRENT USE:	224	\$ 2,563,503
RESIDENTIAL LAND & BUILDING (not including current use):  Median: \$ 178,300	435	\$ 80,122,300
RESIDENTIAL LAND & BUILDING WITH CURRENT USE:	128	\$ 32,159,222
MANUFACTURED HOUSING ON OWN LAND:	30	\$ 3,296,447
MANUFACTURED HOUSING ON LAND OF ANOTHER:	0	\$ 0
RESIDENTIAL CONDOMINIUMS:	Included in I	Residential Buildings
DUPLEX & MULTI-FAMILY:	27	\$ 6,041,999
COMMERCIAL/INDUST. LAND ONLY (not including current use):	3	\$ 844,700
COMMERCIAL/INDUST. LAND & BUILDING (not including current use):	15	\$ 5,581,700
COMMERCIAL/INDUST. WITH CURRENT USE:	3	\$ 994,421
UTILITY:	1	\$ 3,133,700
TOTAL TAXABLE:	937	\$ 136,904,092
TOTAL EXEMPT/NONTAXABLE:	69	\$ 92,361,000
TOTAL NUMBER OF PARCELS:	1006	
(TOTAL NUMBER OF CARDS):	1124	
PROPERTIES WITH VIEWS (included above):	0	
PROPERTIES WITH WATER FRONTAGE (included above):	90	
DRA CERTIFICATION YEAR:	2014	

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# **D.** Time Trending

This is the process by which sales data is equalized to account for time. The "market" is dynamic and ever changing. It is either stable, appreciating or depreciating over time. It is this effect of time that must be analyzed to enable the reliable use of sales 1 or 2 years prior to, or even after the assessment date.

The analysis of property which has sold twice in a relatively short period of time with no changes/improvements between the two sale dates is ideal for this calculation.

Additionally, a review of surrounding municipal trends via New Hampshire DRA's annual ratio study reports for 3 consecutive years, as well as local Realtor information can be used to reconcile an opinion of the current market trend or lack thereof. It should also be noted that, in a depreciating market, a negative trend factor may be discovered and used, which would adjust sale prices for the passage of time.

The following is a summary of the analysis of the sales used broken down by year, a review of the Department of Revenues sales ratio studies for 2011, 2012, and 2013, and an analysis of one paired sale or a property that sold twice.

Sales Analysis Results	<u>Year</u>	Median Ratio	<u>Year</u>	Median Ratio
-	2011	1.195	2012	1.140
	2012	1.140	2013	1.317
	2013	1.317	2014	1.131

To determine the trend factor for 2012, using the sales analysis, we took the difference between the 2011 and 2012 ratios (0.055), divided that number by the 2011 ratio of 119.5%, which resulted in a positive trend factor of 4.6% or 0.383% per month.

To determine the trend factor for 2013, using the sales analysis, we took the difference between the 2012 and 2013 ratios (0.177), divided that number by the 2012 ratio of 114%, which resulted in a negative trend factor of 15.53% or -1.294% per month.

To determine a trend factor for 2014, using the sales analysis, we took the difference between the 2013 and 2014 ratios (0.186), divided that number by the 2013 ratio of 131.7%, which resulted in a positive trend factor of 14.12% or 1.176% per month.

The average of this analysis suggests a positive 0.088% per month trend.

<b>DRA</b> Equalization Ratio Study	<u>Year</u>	Median Ratio
	2011	112.6%
	2012	113.4%
	2013	125.4%

To determine the trend factor for 2012, using the DRA figures, we took the difference between the 2011 and 2012 ratios (0.8), divided that number by the 2011 ratio of 112.6%, which resulted in a negative trend factor of 0.71%, or -0.06% per month.

To determine the trend factor for 2013, using the DRA figures, we took the difference between the 2012 and 2013 ratios (12), divided that number by the 2012 ratio of 113.4%, which resulted in a negative trend factor of 10.58% or -0.882% per month.

We also analyzed 2014 qualified sales through 4/1/2014; however, as this analysis reflected only a portion of 2014, the DRA ratio for the entire year doesn't exist.

The average of this analysis suggests a negative 0.47% per month trend.

In addition, we completed a paired sales study which represents a trend from 2008 through 2014.

Sale #	Map/Lot	Sale #1 Date/Price	Sale #2 Date/Price	Percent Change	Mos. Between	% Per Month
				<b>&amp;</b> -	Sales	
1.	R7-21-1	8/08 \$55,000	11/13 \$60,000	+9.09	63	+0.14

Given the time between the sale dates, I do not believe that there is enough evidence with this property to establish either a positive or a negative town wide market trend.

#### Summary

The conclusions reached by each analysis suggest a market change of between a positive 0.088% per month and a decline of 0.47% per month. Breaking this down on a year to year basis suggest, with both the sales analysis approach and the DRA analysis, that there was between a 0.455% and a 0.47% market decline from 2011 to 2013. As noted above, the DRA analysis is not available for sales that have occurred after 9/30/2013, however the 10 sales during that time, used as part of the sales analysis study, suggests the market has stabilized and that there may be a slight appreciation after that date. As such, it is my opinion that a negative trend of -0.5% be applied through 10/1/13 and that no time trend is warranted after that date. Preliminary analysis and final testing of waterfront sales indicates that no time trend should be applied. As such, there is a separate sales analysis for the non-waterfront properties that does include a trend.

# E. Neighborhood Classification

#### **Market Value Influences**

The most often repeated quote about real estate relates the three most important factors, "location, location, and location." While humourous, it underlines a significant truth about the nature of property value: it is often factors outside of the property boundaries that establish value.

Most real estate consumers understand the importance of location. A house that is located steps from the ocean likely has more value than a similar one miles away from the waters edge. A retail building close to schools or commuting routes likely has more value than one located far away from these amenities. The stately home located in an area of other similar property likely has more value than a similar one located next to the municipal landfill.

At its very heart, the property tax is a tax on value. Revaluations use mass appraisal that must recognize all factors that influence the value of property, both in a negative and positive direction. Each of these factors may be different in different locations. For this reason, the mass appraisal is indexed to local conditions and uses locally obtained and adjusted information to determine values.

The nature of value influences can affect an entire municipality or region. Entire municipalities may be "close to skiing." Whole counties may be "fantastic commuting locations." Significant areas of our state are quiet country locations. For these reasons, a revaluation may not identify each and every separate factor that influences the value of property. Many of these common elements are assumed to exist for all similar properties in a municipality.

There are value influences that affect entire neighborhoods. These may be as obvious as a location on or near a body of water, ski area, or golf course. They also may be as subtle as a location near a certain park or school, or in a particularly desirable area of the municipality. Whether subtle or obvious, the mass appraisal must account for all of these value influences.

There are also value influences that affect individual properties. These can include such things as water frontage, water access, panoramic views, highway views, proximity to industrial or commercial uses, and heavy traffic counts. These property specific influences may be difficult to isolate, but are critical in the development of accurate values.

The mass appraisal must recognize all value influences: regional; local; neighborhood; and, property. By understanding these factors, accurate market value estimates can be made. Ignoring any of these factors could lead to inaccurate values, and establish a disproportionate system of taxation. Fairness requires that all factors be considered in valuation.

In every community, certain sections, developments and/or locations affect value both positively and negatively in the market. This affect is gaged by the development of neighborhoods. Each neighborhood reflects a 10% value difference positive or negative from the average or most common neighborhood in the community. The most common neighborhood of the community is classified as "E" and each alphabet letter before and after "E" reflects a 10% change in the base or average value. This is market driven, but can generally be equated to the desirability of the road, topography, vegetation and housing quality and maintenance. Attempting to measure this location difference in increments of less than 10% is unrealistic. Once all the neighborhoods are defined, vacant land sales and improved sales are used to test their existence. Views may not only affect individual properties, they may also impact the entire neighborhood desirability.

As a rule, neighborhoods are first defined by the assessing supervisor based on his/her knowledge and experience considering the above stated factors and then tested and modified by local sales data, as follows:

First, all the roads in town are driven and the neighborhoods are graded in relation to each other based upon topography, building quality and maintenance, utilities, overall land design and appeal. Using sales data to test our decisions, we also check with local Realtors to confirm our grading of the most desirable and least desirable neighborhoods. Then, we review all the vacant land sales to find the ones that reflect, (as closely as possible) the zoned minimum lot size. In other words, if the zoning in town requires 1-acre and 200 feet of road frontage, we are looking for sales of similar size lots to develop the base undeveloped site value for that zone.

After identifying the base site values for each zone, we then develop a value for excess road frontage and excess acreage above the zone minimum. For example, a 10 acre lot in a 1 acre zone has 9 acres of excess land. The influence that excess road frontage has on value is considered based on market data. Historically, that influence is only measurable when both road frontage and excess land exist to meet zoning for possible further subdivision.

Neighborhoods are classified by alphabetical letters, as follows:

<u>NC</u>					
A	-40%	F	+10%	J	+50%
В	-30%	G	+20%	K	+60%
C	-20%	Н	+30%	L	+70%
D	-10%	I	+40%	M	+80%

E = Average or most common.

Q, R, S, T neighborhood designations are reserved for special/unique situations and may or may not follow the 10% steps. *See Section 9, Valuation Cost Tables & Adjustments*. The "X" designation however, is reserved for rear land, excess acreage designation. When "X" is found on land line 1, it means that the particular lot has no road frontage or known access and is in practical terms landlocked.

Neighborhoods generally designate differences in location across the town based on type of road (dirt, paved, wide, narrow, etc.), condition of land (flat, rolling, steep, wet, etc.) and quality of buildings (high quality, low quality, all similar or mixture, etc.), as well as features like side walks, underground utilities and landscaping of the entire area.

Generally, the value difference from neighborhood to neighborhood is 10% of the average. Each neighborhood is labeled alphabetically with "E" being the average and letters below "E" (D, C, B, A) being less than average and letters after "E" (F - T) being above average.

An "A" neighborhood generally denotes an approved subdivision road not yet developed or maybe just timber cleared. It is typically paper streets.

A "B" neighborhood generally denotes a road cut and stumped and very rough, but passable by 4x4 vehicles.

A "C" neighborhood generally denotes a graded road, either narrow or of poor quality, but passable by most vehicles.

A "D" neighborhood generally denotes below average neighborhood, may or may not be town maintained with poorer quality land and/or lower quality homes and/or a mixture of quality and style homes. Oftentimes, they are more narrow than your average Class V road.

An "E" neighborhood generally denotes the average neighborhood in town, typically a Class V town maintained roads with most utilities above ground and sites that generally consist of average landscaping.

An "F" neighborhood generally denotes neighborhoods above average with similar quality buildings, roads and typically, utilities are underground and sites are more consistently landscaped. Above average neighborhoods are generally more desirable and the factors noted increase marketability. Always remember...location, location, location!

# F. Basic Mass Appraisal Process

While the supervisor is analyzing and developing neighborhoods and local values, building data collectors, approved by New Hampshire Department of Revenue Administration (NH DRA) are going parcel by parcel, door to door measuring all buildings and attempting to complete an interior inspection of each principal building to collect the needed physical data, age and condition of the building.

With the land values developed, we now review improved sales, sales that have been developed and improved with buildings or other features, such as well and septic. By deducting the base land value previously established, adjusted by the neighborhood and topography, as well as any other features, such as sheds and barns, a building residual value is estimated. After adjusting for grade and condition, we divide by the effective area of each building to arrive at an indicated square foot cost. This is then compared to a cost manual, like Marshall & Swift and/or local contractor information to determine the local building square foot cost.

The effective area of a building is computed by considering all areas of all floors and additions of the building and then adjusting each area by its relative cost. If living space is estimated to be \$98.00/SF, the basement area of the house is not worth \$98.00/SF, but rather some predictable fraction. As such, each section of the building has an <u>actual area</u> and an <u>effective area</u> which is the actual area times a cost adjustment factor. Each assessment property record card shows the actual area, cost factor and effective area of each section/floor of the building. The cost factor adjustments are consistent through the town.

This is where, using all the previous cost data developed, we begin to extract the value of views and waterfront in the community. Both vary greatly due to personal likes and dislikes of the market, but both have general features that the market clearly values. For waterfront, private access to the water is the most valuable, but even that may be adjusted for size, topography, usefulness of the waterfront, as well as depth in some areas.

The challenge here is to develop a base value for the average or most common waterfront site and then grade each site in relation to the average based on available sales data. If lacking specific sales data, the search may be expanded to include other bodies of water in other towns. Views are a bit more difficult, as they vary widely as does the value that the market places on them. However, the process is much the same. Using sales, we extract a range of value the market places on different views by first accounting for the basic land value and improvements. What value remains is attributed to the view. Views are classified by type, subject matter, close-up versus distant and width of the view. The adjustments for the influence of view are then systematically applied to all other properties in town with views. Also, a view picture catalog is prepared to show the various views.

Once the cost tables are developed, they are used to calculate all values across the municipality. Then the job supervisor and assistant do a parcel by parcel field review to compare what is on each assessment card to what they see in the field and make adjustments to ensure quality and consistency.

# **G.** Assumptions, Theories & Limiting Factors

#### **Assumptions**

- 1. It is assumed that all land can be developed unless obvious wetlands or town documentation stating otherwise. As such, lots smaller than the zone minimum will be considered developable, assuming they are grandfathered.
- 2. Current use classification is provided by the town and assumed accurate.
- 3. The use of the property is assumed its highest and best use, unless stated differently on the property record card. Highest and best use analysis was not done for each property.
- 4. When interior inspections can not be timely made or are refused, the interior data will be estimated based on similar homes, as accurately as possible, assuming good quality finish. If measurements are refused, the building measurement and interior will be estimated from the road.
- 5. The land acreage and shape are taken from the Town's maps and assumed accurate and name and address data is provided by the town and assumed accurate.

#### **Theories**

Local sales data must be the foundation for a good town wide revaluation and guide the Appraiser Supervisor in their conclusions and adjustments to value. However, lacking sales data does not mean a specific feature or property should go unnoticed or not considered and the supervisor must use common sense and their knowledge gained from education and years of experience when making adjustments, both derived directly from the market and those not, but developed over time and with interaction with buyers and sellers and real estate agents.

Cost, while not always directly related to the market, is a very good indicator of market value based on the understanding of the "principle of substitution". This principle states that a person will pay no more and a buyer will accept no less for a property than the cost of a suitable substitution. A suitable substitution can be defined as the cost to build new considering age depreciation and the cost of time. However, actual costs can exceed market value when personal likes come into play or the property is over built for the area. Nothing in assessing, particularly the assessment is straight line or a fact beyond doubt. Assessments are an opinion of the most probable value a property is worth at a stated point in time given normal market exposure, it is not a fact!

#### **Limiting Factors**

The scope of services outlined in the contract spells out the services rendered, which in itself identifies limiting factors. In mass appraisal work, limiting factors or conditions generally include the number of sales available and the accuracy of the data used. Data accuracy is limited by the fact that interior inspections are not available to all properties and, in some cases when data is supplied by third parties.

# H. Telecommunications & Utilities Valuation

#### 1. Telecommunication

#### <u>Assumptions</u>

- a.) DOT miles of road to be accurate and complete.
- b.) Data provided by companies to be accurate and complete.
- c.) Width of Public Right-of-Way (PRW) to be 10 feet.
- d.) If no data provided, pole count will be estimated as follows: Linear feet of roads ÷ 250, 60% joint ownership and 30-40% good based on average age. RCN poles is \$1,275.

#### Methodology

Replacement Cost New Less Depreciation – See detail below under Utility Methodology.

#### 2. Utilities

#### Assumptions

- a) Report of inventory provided by each utility is accurate.
- b) If no original year in service provided, an estimate will be made.

#### Methodology – Replacement Cost New Less Depreciation

The nationally recognized Whitman, Requardt & Associates, LLP Handy-Whitman Index of Public Utilities Construction Costs manual will be used to trend original costs forward to the present year or the valuation base year for the municipality. As an example:

Towers – Reported Original Cost \$150,000 Year in Service 1984 1984 Index = 233 2009 Base Year Index = 553  $150,000 \div 233 = 64,377.68 \times 553 = \$356,008.57 \text{ Replacement Cost}$  This replacement cost must then be depreciated for age.

The accuracy or value of any cost approach to value is the depreciation developed for

If that depreciation was 59%, the value would be \$146,854

each item, as well as the remaining economic life allowed to each item that has passed its life expectancy but is still in service. As such, Avitar's unique depreciation, developed

over time, is proprietary.

In the case of a public utility not willing or unable to provide an inventory, the NH DRA value for that utility was used, adjusted by a ratio that is developed by comparing all other utilities across the state valued by Avitar to the NH DRA value. This ratio maintains equity among utilities that provide information and those that didn't or couldn't. See following pages for utility reports.

#### AVITAR ASSOCIATES OF NEW ENGLAND INC.

#### **Utility Valuation Report Listing**

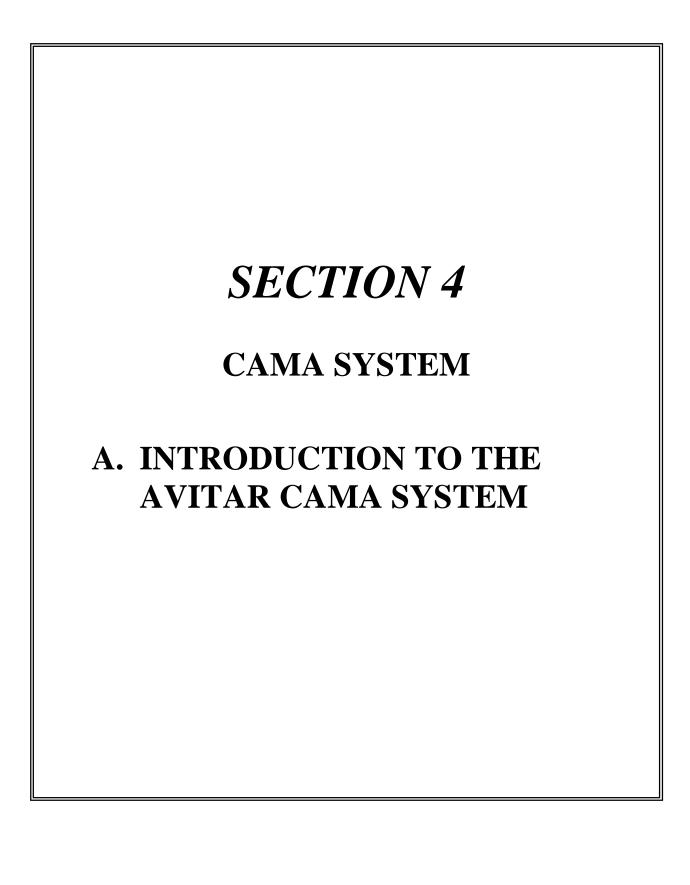
(Using Handy Whitman Cost Index Manual -- North Atlantic Section)

UTILITY NAME: GREENFIELD-PSNH-2014

UTILITY VALUATION YEAR: 2014

Description	Original Cost	Replacement Cost	Depreciation	Assessment Value
E364 DISTR, POLES, TOWERS	S & FXT \$ 979,014	\$ 2,049,415	% 0.551587	\$ 918,984
E365 DISTR, OVER CONDUC		\$ 2,379,958	% 0.591669	\$ 971,810
E366 DISTR, UNDERGRND CO		\$ 31,823	% 0.322754	\$ 21,552
E367 DISTR, UNDER COND &		\$ 315,352	% 0.372038	\$ 198,029
E368 DISTR, PAD TRANSFOR			% 0.099999	\$ 298,165
E369 DISTR, SERVICES OVEI	•		% 0.345377	\$ 431,007
E370 DISTR, METERS INSTA	*		% 0.099998	\$ 97,193
E373 DISTR, STR LIGHTS OV	•	\$ 21,959	% 0.530398	\$ 10,312
E400 UNCLASSIFIED CONST	•	\$ 186,650	% 0.000000	\$ 186,650
GRAND TOTALS FOR GREENFIELD-PSNH-2014:	\$ 3,067,780	\$ 6,082,848		\$ 3,133,700 *

<sup>\*</sup> Value Rounded To Nearest Hundred



# A. INTRODUCTION TO THE AVITAR CAMA SYSTEM

#### **THE POINT SYSTEM** - An Industry Standard

The point system for mass appraising is an industry standard developed many years ago and represents the best cost valuation system modified by the local market available and used (in some form or another) by most, if not all, Computer Assisted Mass Appraisal (CAMA) appraisal systems available on the market.

Avitar's CAMA system uses the point system. However, ever since 1986 we have made many very important refinements to increase accuracy, equity, reliability and consistency. We have also provided a menu driven system for ease of use.

Very simply, the system works by dividing up the building into components which consistently represent a certain predictable percent of the total value. These construction components are then assigned point values which represent its contribution to the total value and accounts for the cost and market appeal of the item.

#### **POINTS**

Points are based on the associated cost to the total building in relation to other options for similar features. The exterior wall factors also include the structural frame. These point values are based on the percentage that the actual cost historically represents to the total cost and provides a consistent, predictable and equitable approach to mass appraisal building values.

Each building is first measured and sketched showing the actual footprint of the building and various story heights. Then the following attributes are listed:

Roof Style & Example – Gable or Hip/Asphalt

Cover

Exterior Wall Example - Clapboard/Vinyl (Up to Two Different Exteriors can be

listed, using the two most predominant)

Interior Wall Example – Plaster/Wood (Up to Two Different Interiors can be listed,

using the two most predominant)

Floor Cover Example – Pine/Softwood & Carpet (Up to Two Different Floor

Covers can be listed, using the two most predominant)

# of Bedrooms # of Bathrooms

**Fixtures** 

Extra Kitchen Central Air Generator

Fireplaces If no point value associated in the cost tables, then fireplaces are still

valued in the extra features.

Heat Example – Oil/FA Ducted (This is an oil fired furnace with forced air

ducted system)

Quality Example – A4 Exc (Here A=average, A1 is one grade better and A4 is

4 graders better)

Com. Wall

Example – Commercial Wall Frame Construction Use for commercial buildings to account for various structures.

Size Adjustment

Size adjustment is the factor that accounts for the economy of scale theory which means the more of anything you purchase at one time, the lower the unit cost. As such, a larger home will have a factor less than 1.00, while a smaller home will have a factor greater than 1.00 to account for per square foot cost variation.

Base Rate

This is the gross base square foot cost that this building, as well as all other similar buildings will start at.

Bldg. Rate

Building Rate – After consideration of all building materials and quality of construction, a building rate is developed which can be greater and lower and 1.00 based on material, quality and includes the size adjustment.

Com. Wall Factor

In the case of a commercial property, an added factor may be needed to account for various commercial structural frames.

Adjusted Base Rate Base rate times building rate times commercial wall factor equal the unique adjusted base for this structure. Therefore, two identical homes with slightly different square feet will have slightly different adjusted base rates as the economy of scale will come into play. Also, two identical size and style homes with various exterior wall materials may also vary in adjusted base rates slightly to account for the various market appeal/desirability and value of each material.

The Adjusted Base Rate is then multiplied by the total effective area of the house to develop a replacement cost new for that structure.

# Bedroom & Bathroom Data

While the number of bedrooms is a valuable commodity for most homes, the accompanying number of bathrooms or fixtures plays a pivotal role. A house with 5 bedrooms and only 1 bathroom is functionally obsolete as the plumbing cannot equally handle the bedrooms, as such a similar house with 5 bedrooms and 2 bathrooms would command a higher market value, all other things equal. As such, a weighting system was developed by Avitar to weight the number of bedrooms to bathrooms to develop an adjusting factor to account for this obsolescence when it existed. Therefore, it is not solely the bedroom or bathroom count that effects value, but the combination of both.

#### **EFFECTIVE AREA CALCULATIONS**

The calculation of effective area is applied in order to adjust for the differences in square foot construction costs in the various subareas of the building as compared to the principal living area. The SUB-AREA ID table shows the effective area which is the actual area adjusted by the cost factors for each subarea. Cost factors for all subareas for this community can be found in the Final Valuation Cost Tables of this manual. (Section 9C.)

FYAMPI F.	RIIII DING	AREA CAI	CULATIONS
		$\mathbf{A} \mathbf{R} \mathbf{\Gamma}_{i} \mathbf{A} \mathbf{I} \cdot \mathbf{A} \mathbf{I}$	A

SUB A	AREA		<b>ACTUAL</b>	COST FACTOR	<b>EFFECTIVE</b>
<u>IDS</u>			<b>AREAS</b>	<b>ADJUSTMENT</b>	<b>AREA</b>
FFF	(First Floor Finished)	=	864	1.00	864
UFF	(Upper Floor Finished)	=	864	1.00	864
GAR	(Attached Garage)	=	600	.45	270
<b>EPF</b>	(Enclosed Porch Finished)	=	192	.70	134
DEK	(Deck or Entrance)	=	192	.10	19
BMU	(Basement Unfinished)	=_	<u>864</u>	.15	130
	TOTAL AREAS GROSS	= ;	3,576	<b>EFFECTIVE</b> =	2,281

The cost factor adjusts the square foot cost of construction for living area to other areas of the structure.

#### **EXAMPLE:**

If the base rate is \$85 for a residential house, the cost of a deck is not \$85/square foot, it is more accurately expressed as only 10% or \$8.50/square foot. As such, this 192 square foot deck can be valued as follows: 192 square feet x 10% = 19.2 sf x \$85 base rate = \$1,632 or \$85 x 10% = \$8.50 x 192 square feet = \$1,632.

#### **STORY HEIGHT ADJUSTMENTS**

Further refinement of the base rate is required to acknowledge the impact of multi-story construction on the total construction costs. This is accomplished through the use of the story height adjustment factor. It is cost adjusted to account for the fact that up until 3 stories or more, it is generally less expensive during original construction to add square feet via story height than expanding the footprint which involves site work and foundation work.

#### **DEPRECIATION TYPES & USE**

**NORMAL AGE DEPRECIATION** is based on the age of the structure and the condition relative to that age. New homes, while new, are average for their age, while older homes may be in better condition relative to their age.

#### **EXAMPLE - 200 Year Old House**

<u>Condition</u>	Normal Age Depreciation is		
Very Poor	71%		
Poor	57% (See chart on prior page)		
Fair	42%		
Average	35%		
Good	28%		
Excellent	14%		

#### **EXAMPLE** - For the 200 year old home in good condition

Building Value	=	129,900
Depreciation	=	x 28%
Depreciation Value	=	- 36,372

Depreciated Bldg.		93,528
Duilding Value	- OR - =	120.000
Building Value	_	129,900

% Condition Good =  $\frac{x}{72\%}$ Depreciated Bldg. Value =  $\frac{3}{93,528}$ 

All final values are rounded to the nearest \$100 for land and buildings alike.

Therefore, the indicated building value = \$93,500

**PHYSICAL:** Refers to the general condition of the building, or how well it has aged or

been maintained in comparison to new buildings. Here is where the assessor can allow for an adjustment for items that are not consistent with

the overall condition of the majority of the home.

**FUNCTIONAL:** Refers to the functional design of the building based on the current use,

design, layout and new technology available, over and above the normal

age depreciation.

**ECONOMIC:** Refers to depreciation caused by things which are exterior to the building

and usually not controllable by the owner. Excessive traffic, active railroad

tracks, airport nearby, are just a few examples.

**TEMPORARY:** Refers to depreciation given for a special reason which shall only exist for

a short period of time. This is generally used for new construction to account for varying stages during the construction, as of April 1<sup>st</sup> in the

assessing year.

#### **LAND VALUE COMPUTATIONS**

Land can be valued using a per square foot method, per acre method, per front foot method, or a combination of all three methods. Generally, we use acres as our unit of measure for the lot, dollar per acre pricing for the rear acreage and dollar per front foot to take into account additional lot value by way of potential subdivision. Water frontage and/or view contributory value is listed separately. Land charts are created for ease of use.

#### **SAMPLE LAND CHART**

# Acres	Value
2.00	31,000
1.45	27,500
1.00	23,000
0.79	16,000
0.45	13,000
0.21	9,000
0.01	1,500

Excess acreage at \$1,500 per acre

Base View Value = \$50,000 Base Waterfront = \$100,000

A table, as shown above, exists for each zone in town that shows the base values for separate indicated lot sizes in town.

This value would then be further adjusted by the neighborhood factor, as indicated by the neighborhood code (NC) table. The NC was established during the revaluation/update process when each road, on every map that existed at that time, had a NC assigned to it based on road, land quality, topography and market desirability.

For this example, we will assume a .45 acre lot with a NC of "G" (which has a value of 1.20, meaning this neighborhood is 20% more desirable or valuable than the average).

 $13,000 \times 1.20 = 15,600$ 

The land may further be adjusted by the assessor for unique situations for the quality and development of the site, driveway and topography with individual condition adjustments noted on the card and multiplying straight across. In addition, the assessor can include an overall additional condition for abnormal conditions such as shape, in addition to the site, driveway and topography by placing a factor from 1 to 999 in the condition field on the appraisal card. The appraiser can then positively or negatively adjust the land value.

\$15,600 x 1.10 Site x 1.00 Driveway x 1.00 Topography x .90 Condition (Wet) = \$15,444 or \$15,400 (rounded)

If there were any excess land over the zone minimum, this land would be priced at the excess acreage price. There would be no NC adjustment, for the NC indicates the street frontage and excess land is the same throughout the town. It would be depreciated for size from the excess acreage chart created for this town, which simply decreases the per acre rate based on quantity. This excess land may be further adjusted based on the assessor's knowledge of the area for topography, ledge, wetlands, etc.

Excess road frontage, in amounts equal to the zone minimum, would be valued <u>only if there is enough excess land to support subdivisions based on the zoning requirements</u>. Excess frontage would not normally be assessed unless subdivision potential exists, however it could be if the market sales data showed a value exists even if subdivision potential did not.

The frontage would be valued by multiplying only the excess frontage above the minimum requirement, in increments of the zone minimum by the front foot rate and then adjusted by the NC and further for usability, topography, wetland, etc.

#### Example:

Zone = Two Acres, 100 Front Feet

- 1. Parcel with three acres and 400 front feet would not have any excess frontage assessed because only one excess acre exists and the zone requires two. So, this parcel has no subdivision potential.
- 2. Parcel with four acres and 400 front feet would be assessed for 100 excess front feet because there are two excess acres to support the zoning requirement, and therefore, a potential for subdivision exist.

If the sales data were to show a value for excess road frontage, even if no subdivision potential existed, it could be valued based on every front foot beyond the zone minimum.

Finally, you would add the building value to the extra features value to the land value to get the total assessment.

# **SECTION 5**

# CAMA APPRAISAL REVIEW CARD

# ABBREVIATIONS, SAMPLES & DEFINITIONS

Notices may not be exact copies

## APPRAISAL CARD - FRONT SIDE

IF RES IF RES VIEW	Zone: RES-A RESIDENTIAL A  Land Type		PPRAISAL CARD - FREPLACE 1-STAND	10/17/13 MAIL 04/01/13 DWPM 07/12/12 DWVM 06/20/12 INSP 10/16/09 MSHC 09/17/09 MFVL 06/23/09 MFVM 07/10/04 OMF	Map: 0000U3 L OWNER INF DOW, JOHN  1 MAIN STREET ANYTOWN, NH 03123
1.000 ac 50, 1.466 ac x 1, MOUNTA 2.466 ac	A Minimum Acreage: 1.00 Units Base Rate		Units Lng	LISTING HISTORY  IL APPT LETTER (6)  M  M  M  P  MARKED FOR INSPECTION  IC  IC  M  M  IF	3 Lot: 000015 Sub:  OWNER INFORMATION  (4)  T  T  1 03123
<b>I</b>	) Minimum Frontage: 200 ie NC Adj Site Road DWay Topography	LAND VALUATION	EXTRA FEATURES VALUATION	S/13/05 MERGED U3-15/2 INTO U3-15. PER BOOK #1125, PAGE #0139, EFFECTIVE 2004 TAXES; PART OF LOT ACROSS BOOTHMAN LANE; WARD CEDAR LOG HOME; 2/08 SALE SPLIT BY SALE WITH U4-9, 2012 BP, SMALL SHED DORMER ON FRONT OF BUILDING, NO SIDING ON DORMER AS OF 4/1, NCV,4/13;  (7	Sub: 000000 (1)         Card: 1 of 1 (2)         1 MAIN S           SALES HISTORY           Date         Book         Page         Type         Price Grantor           02/11/2008         1240         108         U138         192,700 SMITH
100 42,300 (100 2,200 (100 37,500 82,000	Cond Ad Valorem SP	(11)		(GE #0139, IAN LANE; WARD ), 2012 BP, SMALL DORMER AS OF (7)	1 MAIN STREET  RY 26 Grantor 00 SMITH (5)
0 N 42,300 0 N 2,200 37,500 <b>82,000</b>	Site: AVERAGE Driveway: GRAVEL Road: GRAVEL SPI R Tax Value Notes		### ANYTOWN ASSESSING  ### ANYTOWN ASSESSING  OFFICE    PARCEL TOTAL TAXABLE VALUE   (10)		ANYTOWN Printed: (3)07/21/2014 PICTURE  (8)

As you can see, the appraisal card is broken into sections.

- 1) <u>MAP/LOT/SUB</u> Numbers represent the parcel identification numbers (PID) used by the town. The map number represents the ID of the map sheet on which the parcel is displayed. The lot number and sub lot are the unique ID for the parcel on that map sheet.
- 2) <u>CARD # OF #</u> Typically 1 of 1 means the parcel has only one assessment record card for its entire assessment information. In a multi-card situation, where more than one assessment record card is needed to show the assessment information of a parcel with several primary buildings, the first number is the sequential card number and the second number is the total number of cards for that parcel.
- 3) **PRINTED** The date the card was printed, reflecting the assessment information and value on file at that time.
- 4) <u>OWNER INFORMATION</u> Located in upper left hand corner just below map-lot-sublot numbers and contains the owner name and address information of record at the time of print.
- 5) <u>SALE HISTORY</u> This section is located to the right of owner information box and displays the five most current sales recorded as known for this parcel showing book, page, date, type of sale (Qualified/Unqualified & Vacant/Improved) and seller's name.
- 6) <u>LISTING HISTORY</u> This section usually contains the date that the property was visited, plus the two initials of the person who visited the property. The third character is the reason why they were there, and the fourth is the "action" taken. This may vary as it is user definable, but will always have a date followed by a four space code and then space for a brief note.
- 7) **NOTES** An area for the appraiser to enter abbreviated notes about the property, as well as reasons for any adjustments made elsewhere on the assessment record card.
- 8) **<u>PICTURE</u>** Intended to represent some aspect of this tract of land such as view, waterfront or site or outbuildings.
- 9) <u>EXTRA FEATURES VALUATION</u> This area contains the valuation of fireplaces, pools, sheds, detached garages, etc., (a table listing all descriptions and rates can be found in *Section 9C*.), and displays a description (as well as dimensions when appropriate), the unit rate, condition and final value. The grand total is rounded to nearest \$100. Also, included is a brief notes section for each extra feature item listed.
- 10) PARCEL TOTAL TAXABLE VALUE Is located about halfway down the right side of the card and displays prior years and current assessed value summarized as buildings, features and land and then the card total value. In the case of a multi-card parcel, in the current year column an additional value will be displayed for the total parcel value just below the card total value, whereas the prior year values will only show the total assessed value of the entire parcel.
- 11) <u>LAND VALUATION</u> This area provides all the information necessary for land valuation.

<u>Zone</u> - Displays the land pricing table description, which is usually the same as the zones in town.

<u>Minimum Acreage</u> - The minimum lot size as defined by zoning requirements of the town. Occasionally, zones are defined that do not relate to the town zoning. Refer to the land pricing table for clearer definition of the land pricing table.

<u>Minimum Frontage</u> - Same as above, but represents the minimum required road frontage needed for development.

<u>Site</u> - A brief description of the site such as undeveloped, fair, average, good, very good or excellent, which are referring to the condition of the site development and landscaping.

<u>Driveway</u> - A brief description of the driveway such as none, gravel, paved, stone, etc.

Road - A brief description of the road such as paved or gravel.

<u>Land Type</u> - Refers to specific codes used to classify land use. These are all listed and defined in *Section 9C*.

<u>Units</u> - Size of land being assessed on each line.

AC = Acres

FF = Front Feet (Road Frontage) SF = Square Feet

WF = Waterfront Feet

<u>Base Rate</u> - Dollar value per unit, except on line one where it is the basic value of the building site, if one exists, for the lot size shown under units.

<u>NC - Neighborhood Code</u>. All towns have distinct neighborhoods, some more than others, which influence value based on features of the neighborhood and market desirability. Neighborhoods are represented alphabetically with "E" being average; A, B, C & D being levels below average; and F, G, H, I, etc. being levels above average value and desirability.

<u>ADJ</u> - The factor by which the neighborhood influences the value. In the case of excess acreage, it is a quantity or size adjustment factor

<u>Site</u> - Land line one only and displays the adjustment factor, if any, associated with the description.

<u>Road</u> - A brief description of the road such as paved or gravel.

<u>Dway</u> - Land line one only and displays the adjustment factor, if any, associated with the description.

<u>Topography</u> - Each land line can have a topography description and adjustment associated and displayed with it.

<u>Cond</u> - Condition - area to enter other land adjustments, such as: wet, shape, undeveloped, etc.

Ad Valorem - Market value.

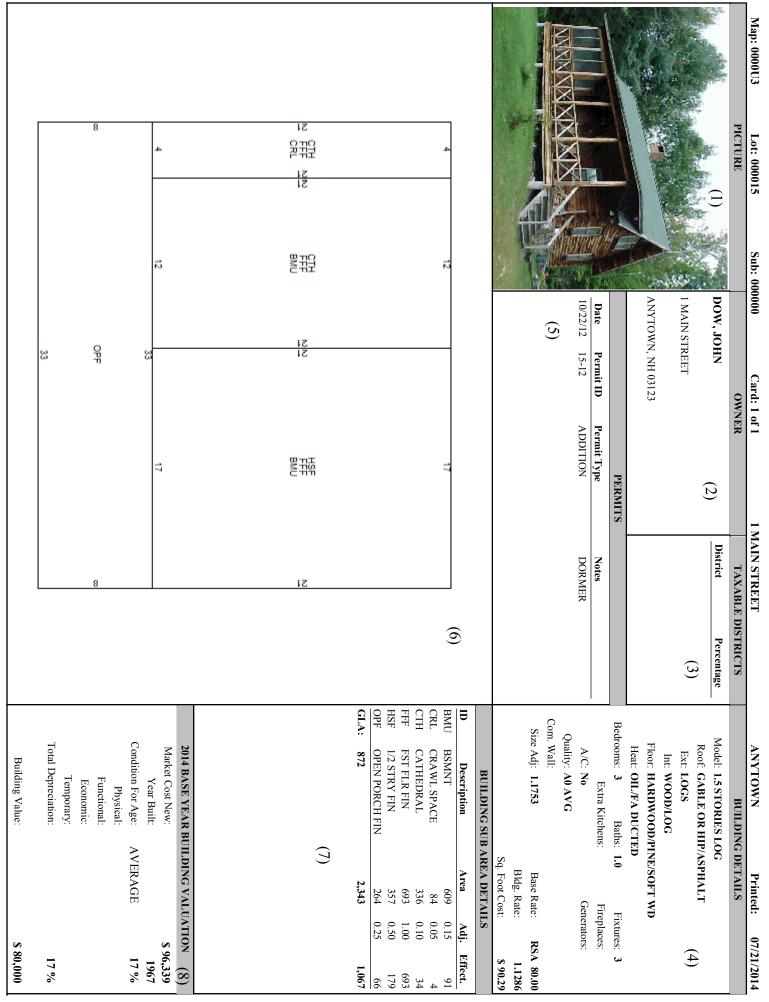
<u>SPI</u> - Soil Potential Index is used to regulate the per acre rate of the current use land based on the range of value provided by the state. Current use condition for grade, location & site quality as defined in DRA Current Use Rules for forest categories. An entry of 100 means the maximum value and 0 means the minimum. The SPI is provided by the landowner for farm land.

 $\underline{R}$  - This is used for the current use recreation discount. If the recreation discount is granted, a "Y" will appear in this column.

<u>Tax Value</u> - Is the taxable value of all land being appraised, including the land assessed under current use.

Notes - Brief information about each land line or the "COND" adjustment.

### APPRAISAL CARD - BACK SIDE



- 1) **<u>PICTURE</u>** A color or black and white digital picture, if one is attached, usually a picture of the sketched building.
- 2) <u>OWNER INFORMATION</u> Repeats the owner information from the front for ease of use.
- 3) <u>TAXABLE DISTRICTS</u> This area lists any town districts and the percentage of the property in each district.
- 4) **<u>BUILDING DETAILS</u>** The title bar displays the story height, building style and year built

Model – Story Height/Building TypeFireplacesRoof - Style & Material CoverA/C - Central AirExt - Exterior Wall CoverGenerators

Int - Interior Wall Material

Ploor - Floor Cover Material

Quality - Building Quality Description

Com Wall - Commercial Wall Structure

**Heat** - Type & Fuel Size Adj - Size Adj Factor Bedrooms - # of Bedrooms Base Rate - Bldg Sq Ft Cost

**Bath** - # of Baths **Bldg Rate** - Overall bldg factor, based on prior

bldg description

Extra Kitchens – In-law or Living Area Kitchen

- 5) **PERMITS** Area to keep track of issued building permits, manually or automatically from the Avitar Building Permit module, if town building inspector is using that module.
- 6) **BUILDING SKETCH** It is the area in which the CAMA generated sketch can be found. Labeling of all sections is located within each area. The acronyms in the sketch, which consists of three letters, are shown to the right of the sketch in the Building Sub Area Details section in a more readable, but still in an abbreviated format.
- 7) <u>BUILDING SUB AREA DETAILS</u> This shows the Sub Area ID and description, the actual area for each sub area, the cost factor associated with it as a percentage of the Building Square Foot Cost and the effective area, which is the actual area times the cost factor.

Example:

A first floor finished (FFF) might be worth \$86/sq ft, but an attached deck would not be. By using the 10% cost factor, the square foot cost of the deck would be \$8.60. So, if you have a 100 square foot deck at \$8.60/sf, it would be valued at \$860. Put another way, 100 sf times cost adjustment factor of 10% = 10 sf. 10 sf x \$86 base rate = \$860. As you can see, using the adjustment this way is the same, but it enables the computation of the total effective area for use in the overall size adjustment computation and for comparing the effective area of comparable structures.

8) **BASE YEAR BUILDING VALUATION** - Is calculated by multiplying the total effective area by the Building Adjusted Base Rate, displayed just above and to the right of the sketch. This represents the undepreciated value of the structure, or rather the cost to replace the structure with a similar structure at the time the assessment was made,

based on the local market data. The base year is the year of the last valuation update and the year from which the age depreciation of the building is computed.

- Normal Depreciation based on the age and condition of the building.
- Physical Is added depreciation to account for the loss in value due to wear and tear and the forces of nature.
- Functional Added depreciation is the loss in value due to the inability of the structure to perform adequately the function for which it is used, based on problems with design, layout and/or use of the buildings.
- Economic Added depreciation based on factors influencing value that are external to the property and generally not controlled by the owner.
- Temporary Generally used for a building in a transitional phase such as renovation, remodeling or new construction not completed as of April 1st. It is expected to change yearly as construction is completed.

This approach ensures consistent age depreciation, but also allows the supervisor to make individual added depreciation on final field review, as deemed needed for each property. See *Section 4* - Depreciation - Manual Calculation

- Total Dpr Total all depreciation.
- Assessment is the actual assessed value of the building and is calculated by multiplying the Building Market Cost New value by (100% - Total Depreciation %).

Rounded to \$179,300 = Building Assessment

# GENERAL COMMONLY USED ABBREVIATIONS

A/C LOC Air Conditioning Location AC LUCT Land Use Change Tax Acres ACC Access ME Measured & Estimated Manufactured Home **AMNTY** Amenity MH ATT Attached **MHD** Manufactured Home-Double Wide AVG Average MHS Manufactured Home-Single Wide BCBlind Curve **MKB** Modern Kitchen/Bath **BCH** Beach M/LMeasured & Listed **MPU** Most Probable Use BKL Backland BR Bedroom NBD Non-Buildable BSMNT/BMT Basement NC No Change BTH Bath **NICU** Not in Current Use Cinder/Concrete Block NOH No One Home CB No Value CE Conservation Easement NV CK/CHK Outdated Kitchen/Bath Check OKB CLR Clear P&B Post & Beam Comm Office Area **PDS** Pull Down Stairs/Attic Stairs **COF** COND Condition PF Pond Frontage CTD Cost to Develop PLE Power Line Easement Close to Road PR Poor CTR CU Current Use **PRS** Pier Foundation Common Wall PU CW Pickup Road Bisects Lot DB Dirt Basement **RBL DNPU** Did Not Pick UP RD Road REF Did Not View Refused DNV **DNVI** Did Not View Interior RF River Frontage Distance to Waterfront ROW Right of Way (R/W) DTW Data Verification **SHDW** Shared Driveway DV DWDriveway **SUBD** Subdivision TOPO **ENT** Entrance **Topography Under Construction ESMNT** Easement UC **EST** Estimate UNB Unbuildable **EXC** Excellent UND Undeveloped **EXT** Exterior UNF Unfinished FF Front Feet on Road **VBO** Verified by Owner FIN Finished **VGD** Very Good Very Poor FLR Floor **VPR** Foundation VU View **FND** Flood Plain FP WA Water Access FPL Fireplace WB Wet Basement WF FR Fair Water Frontage FS Field Stone WH Wall Height **GAR** Garage **WOB** Walkout Basement Windows & Door GD Good W&D НО Homeowner **XFOB** Extra Features **INCL** Included **XSWF Excess Water Frontage INFO** Information YB Year Built INT Interior LB Low Basement LDK Loading Dock Lot Line Adjustment LLA Limited LTD

#### SAMPLE LIST LETTER

TOWN OF ANYTOWN 25 MAIN STREET ANYTOWN, NH 03123

> DOW, JOHN 1 MAIN STREET ANYTOWN, NH 03123

Map Lot Sub: 0000U3 000006 000000

**April 1, 2014** 

#### **Dear Property Owner:**

The Town of Anytown has contracted Avitar Associates of New England, Inc. to perform a data verification process. Annually, properties are chosen and the data is verified for accuracy. This process helps to maintain an accurate database and will help maintain fair and equitable assessments.

At this time, Avitar is scheduling appointments for interior inspections. The purpose of the interior inspection is to verify the data listed on your property record card for accuracy ie. number of bedrooms and baths and to determine the overall condition. Please call during the times specified below to set up an appointment (at a later date) to view the interior of your property. Also, please note this phone will only be answered during the specified dates and times.

#### Please call 603-123-4567 STARTING Tuesday, 4/15/14 thru Thursday, 4/17/14

**between 8:00 am & 4:30 pm** to arrange an appointment in the near future for an interior inspection of your property. Please have this notice available when you call.

Please keep in mind that the inspection of your property is very important for an accurate and equitable assessment.

Thank you for your cooperation, Avitar Associates of NE, Inc. Contract Assessors for the Town

P.S. It is important to note the phone may be busy during the first day of calls, as such, please be patient when calling.

## SAMPLE - NOTICE OF PRELIMINARY VALUES

Town Of Anytown Board of Selectmen 123 Main Street Anytown, NH 03123

> DOW, JOHN 1 MAIN STREET ANYTOWN, NH 03123

Map Lot Sub: 0000U3 000006 000000

#### NOTICE OF PRELIMINARY ASSESSMENT VALUES

May 9, 2014

Dear Property Owner:

The **Town of Anytown** has contracted with Avitar Associates to perform a townwide update of values. The new assessed values established for your property during the recent update are listed below. To view your property record card online, go to Avitar's Website at www.avitarassociates.com, click **ONLINE DATA, then click Logon & Subscriber**. Enter the **Username Anytown & the Password anytown.** Access to the website will be for the next 30 days from the date of this notice. If you do not have access to the internet, listings of all assessments are available for review at the Town Office. Internet access may also be available at the Library during normal business hours.

Should you feel an error exists or should you like to make an appointment to review your assessment, you should call 603-555-5555 starting on Mon, 5/19/14 thru, Thurs, 5/22/14 from 8:00 am to 4:30 pm to arrange an appointment. Reviews will be held BY APPOINTMENT ONLY at the Anytown Town Hall at a later date. Please keep in mind the phone number will only be answered during the times listed above. If you cannot call during this time frame, please put your specific concerns in writing and we will review them. Do not attempt to fax a request for appointment during or after the date above.

If you call for an appointment to review your assessment, please be patient trying to reach our scheduler. Invariably, the phone line is very busy in the first hours of scheduling, so please be prepared to call back later during the scheduling period.

Please note that you should not multiply your new assessment by the old tax rate, as it will produce an erroneous tax amount. The newly established values will not be implemented until the December bill.

Thank you for your cooperation.

Land Value: \$ 151,300 Other Value: \$ 209,400 Total Parcel Value: \$ 360,700

## SAMPLE SECOND NOTICE OF VALUE AFTER PRELIMINARY HEARINGS

Town of Anytown Board of Selectmen 25 Main Street Anytown, NH 03123

DOW, JOHN 1 MAIN STREET ANYTOWN, NH 03745

Map Lot Sub: 0000U3 000006 000000

## Lwpg 15, 2014

Dear Property Owner:

The value listed below is your final value developed from the recent townwide update after review and changes from the informal hearing process in **Anytown**, **N.H.** 

Changes may have occurred whether or not you scheduled an appointment for an informal hearing.

If you have any further questions or concerns, they should be addressed through the abatement process once you have received your final tax bill in the fall.

Please note that you should not multiply your new assessment by the old tax rate, as it will produce an erroneous tax amount.

Sincerely, Avitar Associates of NE, Inc. Contract Assessor

Land Value: \$ 127,700 Other Value: \$ 121,900 Total Parcel Value: \$ 249,600

## **DEFINITIONS**

**Abatement:** An official reduction or elimination of one's taxes.

**Abstraction Method:** Method of land valuation in the absence of vacant land sales, whereby improvement values obtained from the cost model are subtracted from sales prices of improved parcels to yield residual land value estimates. Also called land residual technique.

**Ad Valorem Tax**: A tax levied in proportion to the value of the thing(s) being taxed. Exclusive of exemptions, use-value assessment provisions, and the like, the property tax is an ad valorem tax.

**Age/Life Method (Depreciation)**: A method of estimating accrued depreciation founded on the premise that, in the aggregate, a neat mathematical function can be used to infer accrued depreciation from the age of a property and its economic life. Another term is "straight-line depreciation" (see depreciation, accrued; and depreciation method, straight-line).

**Allocation Method:** A method used to value land, in the absence of vacant land sales, by using a typical ratio of land to improvement value. Also called land ratio method.

**Amenity:** A feature of an improvement that enhances its suitability for its basic use. A fireplace in a single-family residence is an amenity, as is covered parking at an apartment complex. By definition, amenities always increase value. Use of land owned in common like in a condominium complex, is an added value or amenity.

**Anticipated Use Method:** A method used to appraise underdeveloped land. Expected improvements to the land are specified, and total development costs are estimated and subtracted from the projected selling price to give an estimate of the value of the undeveloped land.

**Appeal:** A process in which a property owner contests an assessment either informally or formally.

**Appraisal Date:** The date as of which a property's value is estimated.

**Appraisal Methods**: The three methods of appraisal, that is, the cost approach, income approach, and sales comparison approach.

**Appreciation:** Increase in value of a property, in terms of money, from causes other than additions and betterments. For example, a farm may appreciate if a shopping center is built nearby, and property of any sort may appreciate as a result of inflation.

**Arm's-Length Sale**: A sale in the open market between two unrelated parties, each of whom is reasonably knowledgeable of market conditions and under no undue pressure to buy or sell.

**Assemblage:** The assembling of adjacent parcels of land into a single unit. Compare "plottage".

**Assess:** To value property officially for the purpose of taxation.

Assessed Value: (1) A value set on real estate by a government as a basis for levying taxes; (2) The monetary amount for a property as officially entered on the assessment roll for purposes of computing the tax levy. Assessed values differ from the assessor's estimate of actual (market) value for three major reasons: fractional assessment ratios, partial exemptions, and decisions by assessing officials to override market value.

**Assessment**: The official act of discovering, listing, and estimating property value and other property assessments.

**Assessment Card:** A card used by an assessor with land and building information, including acreage, sketch or photograph of a building, a description of its location, a list of the principal factors affecting its reproduction cost and depreciation, and the calculations of cost and depreciation. **Also called a "property record card"**.

**Assessment Equity:** The degree to which assessments bear a consistent relationship to market value.

**Assessment Progressivity or Regressivity:** An estimated assessing bias such that high-value properties are appraised higher (or lower) than low-value properties in relation to market values. It is computed by the Price Related Differential; however, it is not statistically definitive, but merely an indication of a possible bias.

**Assessment to Sale Price Ratio**: The ratio of the assessed value to the sale price (or adjusted sale price) of a property; a simple indication of assessment accuracy.

**Bias:** A statistic is said to be biased if the expected value of that statistic is not equal to the population parameter being estimated. A process is said to be biased if it produces results that vary systematically with some factor that should be irrelevant.

**Board of Tax and Land Appeals**: Empowered by RSA 71-B, the Board of Tax and Land Appeals has responsibility for: (1) hearing appeals of individual tax assessments, exemptions or refunds, whether levied by the State or its municipalities; (2) hearing petitions for reassessment and determining the adequacy of reassessments ordered by the Board; and (3) determining any appeals of the equalization ratios established by the Commissioner of Revenue Administration.

**Capitalization Rate**: Any rate used to convert an estimate of future income to an estimate of market value; the ratio of net operating income to market value.

**Coefficient of Dispersion (COD)**: The average deviation of a group of numbers from the median expressed as a percentage of the median. In ratio studies, the average percentage deviation from the median ratio.

**Computer Assisted Mass Appraisal (CAMA):** A system of appraising property, usually only certain types of real property, that incorporates computer-supported statistical analyses such as multiple regression analysis and adaptive estimation procedure to assist the assessor in estimating market value of a large population of properties.

**Confidence Interval**: For a given confidence level, the range within which one can conclude that a measure of the population (such as the median or mean appraisal ratio) lies.

**Contributory Value**: The amount a component of a property contributes to the total market value. For improvements, contributory value must be distinguished from cost.

**Deferred Maintenance:** Repairs and similar improvements that normally would have been made to a property, but were not made to the property in question, thus increasing the amount of its depreciation.

**Depreciation:** Loss in value of an object, relative to its replacement cost new, reproduction cost new, or original cost, whatever the cause of the loss in value. Depreciation is sometimes subdivided into three types: physical deterioration (wear and tear), functional obsolescence (suboptimal design in light of current technologies or tastes), and economic obsolescence (poor location or radically diminished demand for the product).

**Escheat:** The right to have property reverts to the state for nonpayment of taxes or when there are no legal heirs of someone who dies without leaving a will.

**Encumbrance:** Any limitation that affects property rights and value.

**Equalization:** The process by which an appropriate governmental body attempts to ensure that all property under its jurisdiction is assessed at the same assessment ratio or at the ratio or ratios required by law. Equalization may be undertaken at many different levels. Equalization among use classes (such as agricultural and industrial property) may be undertaken at the local level, as may equalization among properties in a school district and a transportation district; equalization among counties is usually undertaken by the state to ensure that its aid payments are distributed fairly.

**Equalized Values:** Assessed values after they have all been multiplied by common factors during equalization.

**Estate:** A right or interest in property.

**Expense:** A cost, or that portion of a cost, which under accepted accounting procedures, is chargeable against income of the current year.

**External (Economic) Obsolescence:** The loss of value (relative to the cost of replacing a property with property of equal utility) resulting from causes outside the property that suffers the loss. Usually locational in nature in the depreciation of real estate, it is more commonly marketwide in personal property, and is generally considered to be economically infeasible to cure.

**Fee Simple Estate:** The property rights that refer to absolute ownership unencumbered by any other interest or estate (a right or interest in property), subject only to the limitations imposed by governmental powers such as eminent domain, taxation, police power, and escheat.

**Field Review**: The practice of reviewing the reasonableness of assessments by viewing the properties in question by looking at their exteriors.

**Functional Depreciation**: Synonymous with the preferred term "obsolescence".

**Functional Obsolescence:** Loss in value of a property resulting from changes in tastes, preferences, technical innovations, or market standards.

**IAAO:** International Association of Assessing Officers.

**Improvements:** Buildings, other structures, and attachments or annexations to land that are intended to remain so attached or annexed, such as sidewalks, trees, drives, tunnels, drains, and sewers. Note: Sidewalks, curbing, sewers, and highways are sometimes referred to as "betterment", but the term "improvements" is preferred.

**Income:** The payments to its owner that a property is able to produce in a given time span, usually a year, and usually net of certain expenses of the property.

**Income Approach:** One of the three approaches to value, based on the concept that current value is the present worth of future benefits to be derived through income production by an asset over the remainder of its economic life. The income approach uses capitalization to convert the anticipated benefits of the ownership of property into an estimate of present value.

**Land-to-Building Ratio** (Land-to-Improvement Ratio): The proportion of land area to gross building (improvement) area. For a given use, the most frequently occurring ratio will be that of a functioning economic unit.

**Lease:** A written contract by which the lessor (owner) transfers the rights to occupy and use real or personal property to another (lessee) for a specified time in return for a specified payment (rent).

**Leased Fee Estate**: An ownership interest held by a lessor with the rights of use and occupancy conveyed by lease to another.

**Leasehold Estate**: Interests in real property under the terms of a lease or contract for a specified period of time, in return for rent or other compensation; the interests in a property that are associated with the lessee (the tenant) as opposed to the lessor (the property owner). May have value when market rent exceeds contract rent.

**Lessee:** The person receiving a possessory interest in property by lease.

**Lessor:** The person granting a possessory interest in property by lease.

**Level of Assessment; Assessment Ratio**: The common or overall ratio of assessed values to market values. Three concepts are commonly of interest: what the assessment ratio is legally required to be; what the assessment ratio actually is, and what the assessment ratio seems to be, on the basis of a sample and the application of inferential statistics.

**Life Estate**: An interest in property that lasts only for a specified person's lifetime; thus the owner of a life estate is unable to leave the property to heirs.

**Listing:** Performing an interior inspection of a property/building.

**Market Approach:** Any valuation procedure that incorporates market-derived data, such as the stock and debt technique, gross rent multiplier method and allocation by ratio.

**Mass Appraisal:** The process of valuing a group of properties as of a given date, using standard methods, employing common data, and allowing for statistical testing.

**Mass Appraisal Model**: A mathematical expression of how supply and demand factors interact in a market.

**Mean:** A measure of central tendency. The result of adding all the values of a variable and dividing by the number of values. For example, the mean of 3, 5, and 10 is 18 divided by 3, or 6. Also called arithmetic mean or average.

**Median:** A measure of central tendency. The value of the middle item in an uneven number of items arranged or arrayed according to size; the arithmetic average of the two central items in an even number of items similarly arranged; a positional average that is not affected by the size of extreme values.

**Model Calibration**: The development of adjustments, or coefficients based on market analysis that identifies specific factors with an actual effect on market value.

**Neighborhood:** (1) The environment of a subject property that has a direct and immediate effect on value; (2) A geographic area defined for some useful purpose, such as to ensure for later multiple regression modeling that the properties are homogeneous and share important locational characteristics.

**Net Income:** (1) The income expected from a property, after deduction of allowable expenses; (2) Net annual income is the amount generated by a property after subtracting vacancy and collection loss, adding secondary income, and subtracting all expenses required to maintain the property for its intended use. The expenses include management fees, reserves for replacement, maintenance, property taxes, and insurance, but do not include debt service, reserves for building additions, or income tax.

**Obsolescence**: A decrease in the value of a property occasioned solely by shifts in demand from properties of this type to other types of property and/or to personal services. Some of the principal causes of obsolescence are: (1) changes in the esthetic arts; (2) changes in the industrial arts, such as new inventions and new processes; (3) legislative enactments; (4) change in consumer demand for products that results in inadequacy or overadequacy; (5) migration of markets that results in misplacement of the property. Contrast depreciation, physical; depreciation, economic.

**Overall Rate (OAR):** A capitalization rate that blends all requirements of discount, recapture, and effective tax rates for both land and improvements; used to convert annual net operating income into an indicated overall property value.

**Partial Interest**: An interest (in property) that is less complete than a fee simple interest. Also, known as a "fractional" interest.

**Percent Good:** An estimate of the value of a property, expressed as a percentage of its replacement cost, after depreciation of all kinds has been deducted.

**Physical Depreciation**: Depreciation arising solely from a lowered physical condition of the property or a shortened life span as the result of ordinary use, abuse, and action of the elements.

**Plottage Value:** (1) The increment of value ascribed to a plot because of its suitability in size, shape, and/or location with reference to other plots (preferred); (2) The excess of the value of a large parcel of land formed by assemblage over the sum of the values of the unassembled parcels. Compare "assemblage".

**Price Related Differential (PRD)**: The mean divided by the weighted mean. The statistic has a slight bias upward and is not statistically definitive; however, price-related differentials above 1.03 tend to indicate assessment regressivity; price-related differentials below 0.98 tend to indicate assessment progressivity.

**Principle of Substitution:** The principle of substitution states that no buyer will pay more for a good than he or she would have to pay to acquire an acceptable substitute of equal utility in an equivalent amount of time.

Ratio Study: A study of the relationship between assessed values and market sales data.

**Real Property:** Consists of the interests, benefits, and rights inherent in the ownership of land plus anything permanently or semi-permanently attached to the land or legally defined as immovable; the bundle of rights with which ownership of real estate is endowed. To the extent that "real estate" commonly includes land any permanent improvements, the two terms can be understood to have the same meaning. Also called "realty".

**Replacement Cost New Less Depreciation (RCNLD)**: In the cost approach, replacement cost new less physical incurable depreciation.

**Residual Value of Land:** A value ascribed to land alone by deducting from the total value of land and improvements, the value of the improvements.

**Reversion:** The right of possession commencing on the termination of a particular estate.

**Right-of-Way:** R/W or RW, an easement consisting of a right of passage through the servient estate. By extension, the strip of land traversed by a railroad or public utility, whether owned by the railroad or utility company or used under easement agreement.

**Standard Deviation:** The statistic calculated from a set of numbers by subtracting the mean from each value and squaring the remainders, adding together all the squares, dividing by the size of the sample less one, and taking the square root of the result. When the data are normally distributed, one can calculate the percentage of observations within any number of standard deviations of the mean from normal probability tables. When the data are not normally distributed, the standard deviation is less meaningful, and one should proceed cautiously.

**Statistics:** (1) Numerical descriptions calculated from a sample, for example, the median, mean, or coefficient of dispersion. Statistics are used to estimate corresponding measures, termed parameters, for the population; (2) the science of studying numerical data systematically and of presenting the results usefully. Two main branches exist: descriptive statistics and inferential statistics.

**Stratification:** The division of a sample of observations into two or more subsets according to some criterion or set of criteria. Such a division may be made to analyze disparate property types, locations, or characteristics, for example.

**Subdivision:** A tract of land that has been divided into marketable building lots and such public and private ways as are required for access to those lots, and that is covered by a recorded plat.

**Tax-Exempt Property:** Property entirely excluded from taxation because of its type or use. The most common examples are religious, charitable, educational, or governmental properties. This definition omits property for which the application of a partial exemption reduces net taxable value to zero.

**Tax Map:** A map drawn to scale and delineated for lot lines or property lines or both, with dimensions or areas and identifying numbers, letters, or names for all delineated lots or parcels.

**Tax Rate:** The amount of tax stated in terms of a unit of the tax base. For property tax, it is expressed in dollar of tax per \$1,000 of value.

**Time-Adjusted Sale Price:** The price at which a property sold, adjusted for the effects of price changes reflected in the market between the date of sale and the date of analysis.

**Total Economic Life:** The period of time or units of production over which the operation of an asset is economically feasible, not necessarily the same as its physical life.

**Trending:** Adjusting the values of a variable for the effects of time. Usually used to refer to adjustments of assessments intended to reflect the effects of inflation and deflation and sometimes also, but not necessarily, the effects of changes in the demand for microlocational goods and services.

**Uniformity:** The equality of the burden of taxation in the method of assessment.

**Use Class:** (1) A grouping of properties based on their use rather than, for example, their acreage or construction; (2) one of the following classes of property: single-family residential, multifamily residential, agricultural, commercial, industrial, vacant land and institutional/exempt; (3) Any subclass refinement of the above-for example, townhouse, detached single-family, condominium, house on farm, and so on.

**Variance:** A measure of dispersion equal to the standard deviation squared.

**Zoning:** The exercise of the police power to restrict landowners as to the use of their land and/or the type, size, and location of structures to be erected thereon.

## SECTION 6

## **SALES DATA**

- A. DATE RANGE OF SALES & EFFECTIVE DATE OF NEW VALUE
- B. QUALIFIED & UNQUALIFIED SALES REPORT

## A. Date Range of Sales & Effective Date of New Value

Effective date of this revaluation is  $\frac{4/1}{2014}$ .

Sales that occurred between 4/1/12 and 7/1/14 were used.

Total Number of Qualified Sales Used  $\underline{29}$  sales were used. After final testing and calibration of the sales model, the building base rate was changed from \$68 to \$66. Using the lower square foot cost, indicates that the sales to assessment ratio for non-waterfront properties for the stipulated date range for all sales is slightly higher than 100%, however, an analysis of the ratio of those sales from 10/1/13 forward is very close to 100%, suggesting that the market may be appreciating.

## B. Qualified & Unqualified Sales Report

The following sales listing for all sales that were verified as qualified "market sales" (via PA-34 reports filed by the buyer and seller at the time of the transaction, onsite visits, sales questionnaires or through research of MLS listing services) that were discovered and used in the analysis of costs for the revaluation. There are two listings. The first is a list of all Market Sales commonly called Qualified. The second is a listing of all the sales considered non-market or unqualified sales and not used in the cost analysis.

The sales list includes the following abbreviations, defined here:

## LC=Land Use Code

CI Comm/Ind

EX-F Exempt-Federal

EX-M Exempt-Municipal

EX-P Exempt-PILT

EX-S Exempt-State

R1 1F Residential (1F = One Family)

R1A 1F Residential Water Access

R1W 1F Residential Waterfront

R2 2F Residential (2F = Two Family)

R2A 2F Residential Water Access

R2W 2F Residential Waterfront

R3 3F Residential (3F = Three Family)

R3A 3F Residential Water Access

R3W 3F Residential Waterfront

R4 4F Residential (4F = Four Family)

R4A 4F Residential Water Access

R4W 4F Residential Waterfront

UTL Utility-Other

UTLE Utility-Electric

UTLG Utility-Gas

UTLW Utility-Water

## NC=Neighborhood Code

```
Α
            60%
                  40% Below the Average
В
            70%
                   30% Below the Average
C
            80\%
                  20% Below the Average
D
            90%
                  10% Below the Average
Е
            100% Average for the Town
F
            110% 10% Above the Average
G
            120% 20% Above the Average
Η
            130% 30% Above the Average
I
            140% 40% Above the Average
J
            150% 50% Above the Average
K
            160% 60% Above the Average
L
            170% 70% Above the Average
M
            180% 80% Above the Average
N
            190% 90% Above the Average
P
            200% 100% Above the Average
Q
            225% 125% Above the Average
R
            250% 150% Above the Average
S
            275% 175% Above the Average
T
            300% 200% Above the Average
X
            Backland
                         Not Having Road Frontage
```

BR=Building Square Foot Rate – See Section 9C Final Cost Tables

## SH=Story Height

	$\mathcal{C}$		
Α	1 Story Frame	E	2.5 Story Frame
В	1.5 Story Frame	F	2.75 Story Frame
C	1.75 Story Frame	G	3 Story Frame
D	2 Story Frame	Н	3.5+ Story Frame
	•	I	Split Level

- EF AREA = Effective Area. This is the actual area of each section of the building adjusted for cost. In other words, 800 square feet of first floor is more valuable than 800 square feet of basement, so the basement square footage is adjusted down for cost and the total effective area is the sum of all the sub areas adjusted for cost.
- I = This column will be either "I" for improved, meaning a land and building sale or "V" for vacant, meaning a land only sale.
- Q = This column is "Q" for qualified market sale or "U" for unqualified market sale.

## **Greenfield Sales Analysis Report**

\$ 61,300	Q BALL DESIGN-BUILD, LLC	\$ 202,100 I 03/26/2014	\$ 197,800	1,885	<u> </u>	1.51	4 03	000014	000043	0000R9	1.022
\$ 238,200	Q BELLETETES SOUTHFIELD		\$ 179,900	RSA 1,	RI	0.97		000012		0000R9	1.088
\$ 263,400	Q HOPKINS, PETER W	\$ 244,700 I 03/29/2013	\$ 250,000	E RSA C 2,398	R1	26.38	00 03	000000	000039	0000R9	0.979
\$ 93,400	Q MANGINI,JR VIC BANKRUP	0 V	\$ 85,000	D	R1	32.30	)4 04	000004	000027	0000R9	0.944
\$ 63,500	Q SMITH, WAYNE E. TRUSTE	<	\$ 41,000	D	R1	3.33	)7 03			0000R9	0.871
\$ 68,000	Q MACALASTER, ANDREWS S	54,100 V /2013	\$ 50,000	Ħ	CUUO	22.49 CUUO	)3 04		000019	0000R9	1.082
\$ 57,500	Q MACALASTER, ANDREWS S	\ \	\$ 40,000	Ħ	R1	5.01	)2 04	000002	000019	0000R9	0.945
\$ 146,400	Q TIMMONS, JEFFRY A. TRU	<		ਸ	CUUW	14.25	01 04	000001	000005	0000R7	1.067
\$ 259,700	Q BROOKS, MARY M	Н	\$ 168,000	E RSA D 1,886	R1	7.17	0 03	000000	000020	0000R5	1.036
\$ 253,600	Q REED, EVERETT & REBECC	214,400 I /2012	\$ 245,000	E MHD A 2,155	R1	19.95	00 03	000000	000044	0000R4	0.875
\$ 225,800	Q RUSSELL, HELEN I.	н	\$ 198,900	E RSA C 2,164	R1	4.10	00 03	000000	000039	0000R4	0.977
\$ 235,400	Q PARKER, JOHN & THEODOR	207,500 I /2013		E RSA B 1,544	R1	11.60	)1 03	000001	000010	0000R4	0.988
\$ 180,100	Q BALCOM, IRENE R. TRUST	_		D MHD A 1,910	R1	13.46	00 04		000044	0000R3	0.955
\$ 277,900	Q BLAKE, BARBARA LEE	Т	\$ 207,500	E RAN B 2,688	R1	4.80	00 04	000000	000043	0000R3	1.017
\$ 156,700	Q PARKER, JOHN A.	I	\$ 119,500	E MHD A 1,411	R1	9.73	)2 04	000002	000022	0000R3	1.018
\$ 172,000	Q SULLIVAN, BRET & HALL,	\$ 146,500 I 07/10/2013	\$ 145,000	E RSA B 1,403	R1	0.90	00 03	000000	000017	0000R3	1.010
\$ 235,100	Q VENNING, R. STEVEN & P	0 I	\$ 189,500	E RSA D 2,758	R1	1.61	)8 03	000008	000012	0000R3	1.049
\$ 228,200	Q ATHERTON-JR, S & J	\$ 191,800 I 06/05/2012	\$ 217,000	E RSA C 2,123	R1	4.82	0 03	000000	000011	0000R3	0.884
\$ 269,700	Q FERNANDES, STEPHEN A	\$ 217,300 I 05/17/2012	\$ 219,500	E RSA C 2,528	R1	2.29	)1 04	000001	000020	0000R1	0.990
Prior Year Assessment	Q Unqualified Description Grantor Prior	Assessment I Sale Date	Sale Price	NC BR SH Eff. Area	LC	Acres	Zone	Sub	Lot	Map	Ratio

Ratio	Мар	Lot	Sub	Zone	Acres	LC	NC	BR I	SH Eff. Area	Sale Price	Assessment Sale Date	1 (	Q Unqualified Description Grantor Prior Y	Prior Year Assessment
1.075	0000R9	000043	0001-1	03	2.50	R1	E	RSA	C 2,005	\$ 32,000	<b>\$34,400</b> V Q 04/29/2013	V (	COUNTRY COMFORT HOMES	\$ 61,000
0.978	0000R9	000043	0001-1	03	2.50	R1	П	RSA	RSA C 2,005	\$ 211,000	\$ 206,300 08/05/2013	D I	ALAERO CONSTRUCTION OU	\$ 61,000
1.044	0000S2	000002	000000	06	0.48	RIW	D	RSA	A 583	\$ 138,200	\$ 144,300 04/18/2012	D I	AMES, CHARLES	\$ 138,200
0.971	0000S2	000011	000000	06	0.64	RIW	D	RSA	B 1,202	\$ 189,900	\$ 184,300 07/23/2012	I	CLAIRE, JOYCE A TR. ET	\$ 186,200
0.931	0000S2	000016	000000 06	90	0.49	R1W	D	RSA	C 782	\$ 163,300	\$ 152,100 03/06/2014	D I	ABBOTT, WILLIAM B. TRU	\$ 156,400
0.957	0000S4	000001	000000	04	2.10	R1W	D	RSA	D 2,652	\$ 237,250	\$ 227,000 11/16/2012	D I	Q GOSS, JERRY E TRUSTEE	\$ 267,300
0.899	0000S4	000009	000000	04	1.00	R1	D	RSA	A 1,235	\$ 148,000	\$ 133,000 03/24/2014	D I	) HILBER, RALF U	\$ 165,200
1.035	0000S5	800000	000000	03	5.49	R1	щ	RSA	D 2,204	\$ 193,000	\$ 199,700 10/11/2013	Q	MANSFIELD, KIMBERLY	\$ 253,200
0.989	0000S5	000027	000000	03	5.00	R1	Е	RSA	D 2,798	\$ 240,000	\$ 237,300 03/01/2013	D I	PUTNAM, BRIAN & LAURA	\$ 284,600
0.940	0000V4 000013		000000 02	02	1.18	R1	Е	RSA	B 2,132	\$ 215,000	\$ 202,100 I Q 07/19/2012	Ι (	) HILLEGASS, VIRGINIA H	\$ 224,700

## **Greenfield Sales Analysis Report**

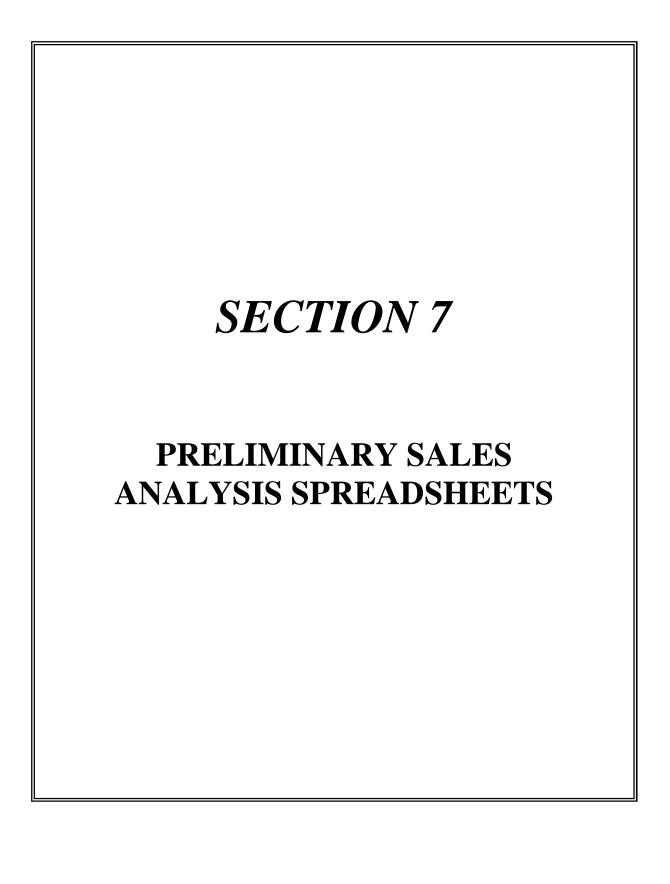
Ratio	Map	Lot	Sub	Zone	Acres	$\mathbf{LC}$	NC	BR SH	Sale Price	Assessment	Q Unqualified Description	
								Eff. Area		Sale Date	Grantor Prior	Prior Year Assessment
1.451	0000R1	000001	000004	04	11.00 CUMW	CUMW	П		\$ 45,000	\$ 65,300 V 01/14/2014	U ABUTTER SALE ROBERTSON, STEVEN C.	\$ 87,600 pe 119
1.220	0000R1	000001	000005	04	12.50 CUFL	CUFL	E		\$ 55,000	\$ 67,100 V 01/18/2013	U IMPROVED POST ASMT ROBERTSON, STEVEN	\$ 105,300
0.180	0000R1	000001	900000	04	6.10 CUUW	CUUW	E		\$ 210,000	\$ 37,700 V 01/30/2013	U MULTI-TOWN PROPERTY ROBERTSON, STEVEN C.	\$ 60,200
1.021	0000R1	000001	00GRVL	04	81.30	R1W	E		\$ 210,000	\$ 214,500 I 01/30/2013	U MULTI-TOWN PROPERTY ROBERTSON, STEVEN C.	\$ 248,400
1.820	0000R2	000015	000000	03	50.00	R1	ш	RSA B 1,356	\$ 120,000	\$ 218,400 I 11/01/2012	U FAMILY/RELAT GRNTR/E COVILLE, FREDERICK V.	\$ 264,800
0.280	0000R2	000015	000002	03	1.25	CUUH	П		\$ 120,000	\$ 33,600 V 11/01/2012	U FAMILY/RELAT GRNTR/E	\$ 43 200
1.701	0000R3	000012	000003	03	1.50	R1	E	RSA C	\$ 114,847	\$ 195,300 I	U FORECLOSURE WADI AND/FORECLOSURE	\$ 232 300
2.526	0000R3	000017	000000	03	0.90	R1	Ħ	RSA B 1,403	\$ 58,000	\$ 146,500 I 01/03/2013	U FINANCIAL CO GRNTR/E BANK OF NEW YORK MELLO	\$ 172,000
224,400.000	0000R3	000022	000001	04	10.19	R1	Е	RSA C 2,122	\$ 1	\$ 224,400 I 02/15/2013	U DIVORCE PRTY GRNTR/E PAVLIK, RICHARD & GAIL	\$ 265,300
1.418	0000R3	000022	000005	04	10.03	R1	н	RSA C 1,739	\$ 130,000	\$ 184,300 I 11/25/2013	U LNDLRD/TENANT SALE HARRIS, AARON & JENNIE	\$ 223,900
1.807	0000R3	000022	000007	04	9.57	R1	E	RSA C 2,603	\$ 100,000	\$ 180,700 I 08/10/2012	U FINANCIAL CO GRNTR/E DEUTSCHE BANK NATIONAL	\$ 204,900
1.234	0000R3	000029	000000	04	3.90	R1W	D	RSA D 1,631	\$ 130,000	\$ 160,400 I 08/06/2012	U FINANCIAL CO GRNTR/E BANK OF NEW YORK MELLO	\$ 192,300
135,600.000	0000R3	000044	000000	04	13.46	R1	D	MHD A 1,910	\$ 1	\$ 135,600 I 08/28/2013	U NO STAMP PER DEED AMERICAN HOMES & ACC I	\$ 180,100
0.174	0000R3	000044	000001	04	4.20	CUFL	E		\$ 250,000	\$ 43,500 V 08/08/2012	U FORECLOSURE GOOHS, KEVIN & JACQUEL	\$ 72,400
0.181	0000R3	000044	000001	04	4.20	CUFL	Е		\$ 240,000	\$ 43,500 V 08/29/2012	U FINANCIAL CO GRNTR/E FIRST COLEBROOK BANK	\$ 72,400
1.651	0000R3	000044	000002	04	9.21	R1	Ħ	RSA D 4,980	\$ 250,000	\$ 412,700 I 08/08/2012	U FORECLOSURE GOOHS, KEVIN & JACQUEL	\$ 432,600
1.720	0000R3	000044	000002	04	9.21	R1	Ħ	RSA D 4,980	\$ 240,000	\$ 412,700 I 08/29/2012	U FINANCIAL CO GRNTR/E FIRST COLEBROOK BANK	\$ 432,600
36,200.000	0000R3	000046	000000	04	4.00	EX-M	Ħ		\$ 1	\$ 36,200 V 11/21/2012	U TAX SALE FLYNN, DENNIS	\$ 56,000
89,900.000	0000R4	000014	000000	02	37.40	R1	Ħ		\$ 1	\$ 89,900 I 01/24/2013	U DIVORCE PRTY GRNTR/E HOPKINS/WHITNEY, DENIS	\$ 134,500

\$ 57,300	\$ 60,000 \$ 37,100 V U ABUTTER SALE 11/22/2013 MACKAY, SCOTT D.	560	0 E	5.02 CUUO		000001 04	000021	0000R7	0.618
\$ 98,700	\$ 1		L E	31 CUFL	3 11.31	000001 03	000025	0000R6	80,800.000
\$ 293,200	\$ 1	RSA C 2,768	E	3.63 R1		000007 03	000023	0000R6	251,200.000
\$ 207,400	0 I U	RSA A 1,468	H	40 R1	3 22.40	000000 03	000020	0000R6	175,500.000
\$ 266,800	\$ 1 \$ 217,100 I U FAMILY/RELAT GRNTR/E 12/31/2013 LOWELL, JOAN M.	RSA A 995	H	8.80 R1		000000 04	000021	0000R5	217,100.000
\$ 328,100	\$ 1	RSA D 2,164	D	00 R1	4 83.00	000000 04	000015	0000R5	281,100.000
\$ 357,100	\$ 339,000	RSA A \$	Ħ	9.62 R1		0001-2 04	000007	0000R5	0.819
\$ 218,000	\$ 70,000 \$ 117,100 V U BUSIN AFFIL GRNTR/E 10/12/2012 WILCO HOLDINGS LLC		Ħ	9.15 R1		000002 04	000007	0000R5	1.673
\$ 236,000	\$ 1 \$ 182,800 I U FAMILY/RELAT GRNTR/E 06/20/2014 THORESON, ELEANOR M.	RSA B 2,257	Ħ	6.12 R1		000001 04	000007	0000R5	182,800.000
\$ 102,500	\$ 70,000		Ħ	6.06 R1		000000 03		0000R5	0.733
\$ 102,200	05/0	RSA B 1,161	Ħ	0.25 R1		000000 03		0000R4	79,800.000
\$ 9,200	\$ 1 \$ 6,900 V U FAMILY/RELAT GRNTR/E 05/28/2013 BELMORE, ERNEST SR		×	9.22 R1		000000 03	000065	0000R4	6,900.000
\$ 108,500	\$ 1		Ħ	2.50 R1		0002-1 03	000042	0000R4	50,100.000
\$ 150,300	\$ 1		ш	33 R1	3 14.33	000001 03	000042	0000R4	145,400.000
\$ 193,100	\$ 1 \$ 165,100 I U DIVORCE PRTY GRNTR/E 08/28/2012 ANFUSO, MOLLY	RSA A 1,724	Ħ	1.25 R1		000003 03	000041	0000R4	165,100.000
\$ 219,900	\$ 1 \$ 201,400 I U FAMILY/RELAT GRNTR/E 11/01/2012 LANDRIANI, NOEL H	RSA A 2,783	D	2.13 R1		000001 03	000037	0000R4	201,400.000
\$ 59,200	\$ 1		D	8.40 R1		000000 04	000036	0000R4	41,800.000
\$ 186,900	\$ 47,500	RSA C \$	E	2.35 R1		000000 03	000026	0000R4	3.076
\$ 221,100	\$ 1 \$ 183,700 I U FAMILY/RELAT GRNTR/E 04/16/2014 GOODWIN-JR, RICHARD H	RSA B 2,153	H	5.06 R1		000001 03	000023	0000R4	183,700.000
\$ 333,000	\$ 1 \$ 294,900 I U DIVORCE PRTY GRNTR/E 01/24/2013 HOPKINS/WHITNEY, DENIS	RSA C 2,963	Е	4.90 R1		000001 02	000014	0000R4	294,900.000
Prior Year Assessment	Sale Price Assessment I Q Unqualified Description Sale Date Grantor Prior Y	BR SH Sale Eff. Area	NC	res LC	Zone Acres	Sub Zo	Lot	Мар	Ratio

\$ 273,100	1 \$249,200 I U NONMKT TRUST GRNTR/E 10/04/2012 BOUCHER, RICHARD & CAR	2,297 \$1	E RSA	R1	5.70	03	000001	000044	0000R9	249,200.000
\$ 61,700	1 \$39,500 V U DEED INLIEU FORECLSR 11/19/2012 BROOKE LEASING & DEVLP	\$ 1	ਸ	R1	1.62	03	000016	000043	0000R9	39,500.000
\$ 0	1 \$0 V U DEED INLIEU FORECLSR 11/19/2012 BROOKE LEASING & DEVLP	\$ 1	দ	R1	2.03	03	000015	000043	0000R9	0.000
\$ 61,300	0 \$60,600 V U BUSIN AFFIL GRNTR/E 03/26/2014 BELLETETES SOUTHFIELD	A C \$35,000 1,885	F RSA	R1	1.51	03	000014	000043	0000R9	1.731
\$ 60,100	1 \$35,000 V U DEED INLIEU FORECLSR 11/19/2012 BROOKE LEASING & DEVLP	\$ 1	'n	R1	1.13	03	000013	000043	0000R9	35,000.000
\$ 60,300	1 \$42,000 V U DEED INLIEU FORECLSR 11/19/2012 BROOKE LEASING & DEVLP	\$ 1	ਸ	R1	1.19	03	000011	000043	0000R9	42,000.000
\$ 60,400	1 \$42,000 V U DEED INLIEU FORECLSR 11/19/2012 BROOKE LEASING & DEVLP	\$ 1	'ਸ	R1	1.22	03	000010	000043	0000R9	42,000.000
\$ 61,100	1 \$39,300 V U DEED INLIEU FORECLSR 11/19/2012 BROOKE LEASING & DEVLP	\$ 1	দ	R1	1.42	03	000009	000043	0000R9	39,300.000
\$ 60,700	1 \$42,200 V U DEED INLIEU FORECLSR 11/19/2012 BROOKE LEASING & DEVLP	\$ 1	Ŧ	R1	1.33	03	000008	000043	0000R9	42,200.000
\$ 59,900	1 \$41,800 V U DEED INLIEU FORECLSR 11/19/2012 BROOKE LEASING & DEVEL	\$ 1	ਸ	R1	1.08	03	000006	000043	0000R9	41,800.000
\$ 0	1 \$0 V U DEED INLIEU FORECLSR 11/19/2012 BROOKE LEASING & DEVEL	\$ 1	ਸ	R1	12.37	03	000000	000043	0000R9	0.000
\$ 103,800	1 \$81,000 I U FAMILY/RELAT GRNTR/E 03/25/2014 HAND-JR, LEO V.	1,309 \$ 1	C RSA	R1	9.40	04	000000	000031	0000R9	81,000.000
\$ 179,700	02/0	A D \$61,200 1,545	D RSA	R1	5.80	04	000002	000027	0000R9	2.395
\$ 179,700		A D \$72,400 1,545	D RSA	R1	5.80	04	000002	000027	0000R9	2.025
\$ 150,300	1 \$127,800 I U FAMILY/RELAT GRNTR/E 02/20/2013 LAVOIE, JACQUES L.	A A \$1 908	E RSA	R1	0.70	03	000000	000024	0000R9	127,800.000
\$ 219,900		A B \$150,000 1,607	E RSA	R1	5.73	03	000002	000005	0000R9	1.222
\$ 219,900	3 \$ 183,300 I U FORECLOSURE 02/15/2013 HALL/FORECLOSURE	A B \$ 212,603 1,607	E RSA	R1	5.73	03	000002	000005	0000R9	0.862
\$ 242,600	1 \$197,700 I U NONMKT TRUST GRNTR/E 01/03/2013 SCHNURR, JOHN F. TRUST	A A \$ 1,973	E RSA	R1	4.60	05	000006	000003	0000R9	197,700.000
\$ 220,400	1 \$ 185,000 I U NO STAMP PER DEED 10/15/2013 BENEFICIAL NH INC	A D \$1 2,064	E RSA	R1	3.94	05	000004	000003	0000R9	185,000.000
\$ 251,300	1 \$210,900 I U ESTATE SALE/FDCY COV 01/02/2013 SUTTERLIN, JAMES SMYRL	A D \$1 2,748	E RSA	RIW	3.50 F	13	000000	000032	0000R7	210,900.000
Prior Year Assessment	Assessment I Q Unqualified Description Sale Date Grantor Prior Y	R SH Sale Price Eff. Area	NC BR	LC	Acres	Zone	Sub	Lot	Мар	Ratio

\$ 0	\$ 1,500 V U ABUTTER SALE 04/24/2014 PIERCE, DAVID H.	\$ 1,000		×	R1	2.00	02	000001	000010	0000V2	1.500
\$ 195,700	\$ 159,400 I U NONMKT TRUST GRNTR/E 02/07/2014 HOLDEN, IDINA	\$ 1	RSA B 1,725	Ħ	R1	5.00	03	000000	000025	0000S5	159,400.000
\$ 195,700	\$ 159,400 I U DIVORCE PRTY GRNTR/E 02/12/2013 HOLDEN, FRANK	<b>\$</b> 1	RSA B 1,725	Ħ	R1	5.00	03	000000	000025	0000S5	159,400.000
\$ 258,700	\$ 200,800 I U DEED INLIEU FORECLSR 04/23/2012 BRIN, MATTHEW C.	\$ 178,000	RSA D 2,186	Ħ	R1	5.00	03	000000	000015	0000S5	1.128
\$ 308,500	I U	\$ 1	RSA D 2,902	Ħ	R1	10.70	03	000000	000012	0000S5	267,600.000
\$ 278,200	\$ 238,100 I U FAMILY/RELAT GRNTR/E 02/20/2013 CHANDLER, HAROLD I	\$ 1	RSA B 2,683	Ħ	R1	3.50	03	000000	000005	0000S5	238,100.000
\$ 100	\$ 100 V U MULTI-TOWN PROPERTY 09/05/2012 O'BRIEN, SANDA	\$ 135,500		×	R1	0.08	03	000000	000005	0000S3	0.001
\$ 222,900	\$ 217,400 I U NONMKT TRUST GRNTR/E 02/28/2014 HUBERMAN, ANNE E	\$ 1	RSA A 252	D	RIW	3.51	06	000000	000020	0000S2	217,400.000
\$ 159,700	\$ 158,300 I U ESTATE SALE/FDCY COV 01/10/2014 BRUNO, LINDA M. TRUSTE	\$ 1	RSA A 747	D	R1W	1.19	06	000000	000012	0000S2	158,300.000
\$ 269,400	I U	<b>\$</b> 1	RSA D 2,224	D	R1W	0.50	06	000000	000007	0000S2	288,500.000
\$ 283,200	I U	\$ 1	RSA D 1,624	D	R1W	1.23	06	000000	000004	0000S2	269,700.000
\$ 34,700	VU	\$ 25,000	RSA A 1,031	Ħ	R1A		13	000000	000029	0000S1	2.324
\$ 176,600	I U	<b>\$</b> 1	MHS A 901	Ħ	R1	2.10	04	000000	000064	0000R9	135,100.000
\$ 176,600	\$ 135,100 I U TAX SALE 11/21/2012 MALONEY/TAX COLLECTOR	\$ 1	MHS A 901	ш	R1	2.10	04	000000	000064	0000R9	135,100.000
\$ 191,700	\$ 110,700 I U FINANCIAL CO GRNTR/E 06/13/2013 FEDERAL NATIONAL MORTG	\$ 57,000	RSA C 2,873	Ħ	R1	7.00	04	000000	000063	0000R9	1.942
\$ 191,700	\$110,700 I U FORECLOSURE 12/18/2012 SAMPSON/FORECLOSURE	\$ 125,000	RSA C 2,873	Ħ	R1	7.00	04	000000	000063	0000R9	0.886
\$ 190,100	\$ 190,700 I U FAMILY/RELAT GRNTR/E 01/08/2014 LUCAS, RONALD L. ET AL	\$ 1	RSA D 1,434	D	R1	79.10	04	000000	000060	0000R9	190,700.000
\$ 196,100	\$ 158,600 I U FINANCIAL CO GRNTR/E 06/08/2012 HOMESALES, INC.	\$ 69,300	RSA B 1,860	Ħ	R1	2.00	04	000000	000054	0000R9	2.289
\$ 225,000	\$ 184,500 I U IMPROVED POST ASMT 07/30/2012 VIENS, DENIS R.	\$ 175,000	RSA A 2,017	E	R1	2.25	04	000000	000052	0000R9	1.054
\$ 139,500	\$114,800 I U FORECLOSURE 12/05/2013 LALLAVE/FORECLOSURE	\$ 108,000	EHS D 1,489	E	EX-S	3.00	03	000000	000048	0000R9	1.063
Prior Year Assessment	Assessment I Q Unqualified Description Sale Date Grantor Prior Y	Sale Price a	BR SH Eff. Area	NC	LC	Acres	Zone	Sub	Lot	Мар	Ratio

1 -	\$ 22,400	01/14/2014 ROEDEL, FRED B										
		\$ 19,300 V U FAMILY/RELAT GRNTR/E	\$ 1		×		16.00 CUUO	04	000000 04		000R10	19,300.000 000R10 000012
•	\$ 41,300	01/14/2014 ROEDEL, FRED B										
Į.		\$ 1 \$ 31,000 V U FAMILY/RELAT GRNTR/E	\$ 1		X		70.00 CUUO	04	000000	000011	000R10	31,000.000 000R10 000011 000000 04
	\$ 232,800	12/17/2012 ROONEY, LESLIE A		2,697								
I		\$ 1 \$ 178,200 I U FAMILY/RELAT GRNTR/E	\$ 1	RAN B	D F	R1	9.70	04	000001	000010		178,200.000 000R10
	\$ 185,900	02/18/2014 KURMAN/FORECLOSURE		1,673								
Į.		23 \$162,300 I U FORECLOSURE	\$ 123,323	RSA A	F I	R1	1.25	03	000000	000012	1.316 0000V5	1.316
	\$ 223,200	10/23/2012 MULLINS, THOMAS P		2,181								
I		\$ 1 \$ 191,600 I U FAMILY/RELAT GRNTR/E	\$	RSA A	F I	R1	0.70	03	000000	000010	0000V5	191,600.000 0000V5 000010 000000 03
	\$ 186,900	07/05/2013 WEEKS, LENNIE & DIANE		1,929								
		00 \$ 165,200 I U FAMILY/RELAT GRNTR/E	\$ 130,000	RAN B	E	R1	1.00	03	000000	000007	1.271 0000V5 000007 000000 03	1.271
	\$ 256,000	12/20/2013 BANK OF NEW YORK MELLO		2,869								
l		00 \$ 212,300 I U FINANCIAL CO GRNTR/E	\$ 100,000	RSA C	EI	R1	1.80	02	000000	000001	0000V5	2.123
	\$ 256,000	08/29/2013 GROPHEAR/FORECLOSURE		2,869								
		00 \$ 212,300 I U FORECLOSURE	\$ 182,500	RSA C	E I	R1	1.80	02	000000	000001	1.163 0000V5	1.163
	\$ 252,800	08/06/2013 GRANT, JAMES & MARYANN		3,137								
40		\$ 1 \$ 213,700 I U FAMILY/RELAT GRNTR/E	\$ 1	RAN D	E F	R1	0.83	02	000000 02	000027	0000V3	213,700.000 0000V3
^	\$ 202,700	07/29/2013 BATTY, JAMES & KRISTIN		1,879								
ı		\$ 1 \$ 173,700 I U NONMKT TRUST GRNTR/E	\$ 1	RSA D	E I	R1	0.22	01	000000 01	000012		173,700.000 0000V3
	Prior Year Assessment	Sale Date Grantor Prior Y	1	Eff. Area								
		Assessment I Q Unqualified Description	Sale Price	BR SH	NC	LC	Acres	Zone	Sub	Lot	Map	Ratio



## PRELIMINARY SPREADSHEETS

The following pages show the spreadsheets used to develop preliminary base values for land and buildings.

Land only sales were used when available and adjusted for location, excess acreage and road frontage leaving a residual value of the base undeveloped site. Land only sales of 2 to 3 acres or less are selected when available to help eliminate any bias of excess acreage or road frontage as the value associated with them has yet to be determined and has to be estimated at this time.

When enough sales are available, and a preliminary base undeveloped site value can be established, then excess acreage and road frontage values can be developed by using other sales and deducting the base undeveloped site to extract an indicated preliminary value for acreage above the minimum lot size required for development. This can also be done for road frontage.

Once preliminary land values are determined, we can then develop the preliminary developed site value by using improved sales with relatively new homes, if available. This chart uses a building square foot cost estimate from local contractors and/or the national cost manual by Marshall & Swift.

Then a spreadsheet can be developed, using all the prior developed preliminary values for the developed site, excess land and road frontage to test the local contractor and cost manual information and confirm or alter the estimated building square foot cost to reflect the very specific local market.

Now with preliminary land and building values developed using the following spreadsheets, we can begin to analyze the impact of waterfront, water access and views, if any exist.

All this preliminary information is further tested via the final town wide sales analysis module for the CAMA system. These results are found in Section 9B of this manual.

## **UNDEVELOPED 4 ACRE BUILDING SITE PRELIMINARY VALUE ANALYSIS GREENFIELD**

Ī			Trend %/Mnth= -0.50%	-0.50%	ESTIMATED EXCESS ACREAGE VALUE=	EXCESS ACR	EAGE VA		\$1,800			
			Sale		Months to	Adjusted		XS Acres	4 Acre	NHBD	Cond	Indicated
S #	Map & Lot	Address	Date	Price	10/1/2013	Sale Price	Acres	Value	Site Value	Adj.	Adj.	Site Value
_	R9-43-1-1	Forest Rd	8/5/2013	\$ 32,000	2	<b>\$ 31,680</b> 2.496	2.496	-\$ 2,707	\$ 34,387 1.00	1.00	0.95	\$ 36,197
2	R9-19-2	Miner/Fletcher Rd	9/24/2012	\$ 40,000	12	<b>\$ 37,600</b> 5.006	5.006	\$1,811	\$ 35,789 1.00	1.00	0.90	\$ 39,766
ω	R9-19-3	Miner Rd	5/8/2013	\$ 50,000	4	\$ 50,000 12.494	12.494	\$ 15,289	\$ 34,711	1.00	0.90	\$ 38,568
4	R9-25-7	Coach Rd	8/2/2013	\$ 41,000	_	<b>\$</b> 40,795 3.33	3.33	-\$ 1,206	<b>\$ 42,001</b> 0.90	0.90	0.95	\$ 49,124
	Sales are trended through 10/1/13	through 10/1/13				F+(G*F5)%		(I-2)*K5	£			K/(LxM)

S1 = XS Acres Adj = 2.496 acres in a 4 acre zone; Cond Adj = Mild Topo (-05)

S2 = Cond Adj = Mild Topo (-05) & Gravel Road (-05)

S3 = Cond Adj = Mild Topo (-05) & Gravel Road (-05); Lot size actually is 22.494, but for this analysis, no value is contributed to 10 acres of swamp

S4 = XS Acres Adj = 3.33 acres in a 4 acre zone; Nbhd = Below Ave; Cond Adj = Mild Topo (-05) & Gravel Road (-05) & cleared building site (+05) = 0.95

# AS THE MEDIAN IS A BETTER INDICATOR OF VALUE, THE PRELIMINARY UNDEVELOPED SITE VALUE IS \$39,000

AVERAGE \$ 40,914 MEDIAN \$39,167

The preliminary undeveloped site value includes consideration for the fact that the vacant lots did not have driveways at the time of sale.

10/01/13

## GREENFIELD DEVELOPED PRELIMINARY 4 ACRE BASE SITE VALUE ANALYSIS

			Trend %/Mth	-0.50%	Bldg. Dep 1.250	1.250			Е	STIMATE	D \$ PER SQI	ESTIMATED \$ PER SQUARE FOOT COST =	OST =	\$68.00			2014
								Вι	Building			Extra	Excess Acs	Land		Site	Indicated
Sale		s	Sale	Trend	Adj	Grade	Year	Age	Normal			Features	& Rd Frnt	Residual	Location	Condition	Improved Site
#	PID	Date	Price	Mnths	Price	Rate	Built	Condtn	Depre	Sq Ft	Value	Value	Value	Value	Adj	or Topo Adj	Value
1	S5-27	03/01/13	\$240,000	7	\$ 231,600	1.0351	1987	2	14	2798	\$ 169,370	\$12,000	\$1,800	\$ 48,430	1.00	0.90	\$ 53,811
2	S5-8	10/11/13	\$193,000	0	\$ 193,000	1.1387	1995	2.5	14	2204	\$ 146,767	\$4,100	\$1,600	\$ 40,533	1.00	0.80	\$ 50,666
3	R4-39	06/24/14	\$198,900	0	\$ 198,900	0.9996	1972	2.5	20	2164	\$ 117,675	\$15,300	\$200	\$ 65,725	1.00	1.00	\$ 65,725
4	R3-11	06/05/12	\$217,000	15	\$ 200,725	1.0159	2004	2.5	10	2123	\$ 131,993	\$0	\$1,400	\$ 67,332	1.00	0.95	\$ 70,875
5	R4-10-1	11/22/13	\$210,000	0	\$ 210,000	1.2319	1980	2	15	1544	\$ 109,939	\$12,000	\$19,300	\$ 68,761	1.00	1.05	\$ 65,487
m	Sales are trended through 10/1/2013	led through 10	/1/2013		D+(E*E5)%		Bldg Age		I*(sqrt(R5-H)*G5	G	O5*G*(1-J/100)*K	ż		F-(L+M+N)			O/(P*Q)
							Condtn= 1=exc		1.5=ν.gooι 2=good		2.5=ave 3=fair	3=fair	4=poor	5=v.poor		AVERAGE	-
	s s	Site cond = 0	Gravel Driveway	Site Cond = Gravel Driveway (-05) & Mild Topo (-05) = 0.90	00 (-05) = 0.90	0										\$ 61,313	
	S K	Average Neig	Average Neighborhood & Level Site	Average Neighborhood & Level Site	Tiveway (-00) -	9										\$ 65.487	
	S4	Site cond = 0	Site cond = Gravel Driveway (-05) = 0.95	(-05) = 0.95													•
	S5	Site cond = 0	300d Site (+10)	Site cond = Good Site $(+10)$ , Mild Topo $(-05) = 1.05$	= 1.05												

AS THE MEDIAN IS A BETTER INDICATOR OF VALUE, THE DEVELOPED 4 ACRE SITE VALUE IS ROUNDED TO \$65,000

## GREENFIELD EXCESS ACREAGE PRELIMINARY VALUE ANALYSIS

				1 R9-27-4	S# Map/Lot		
	Topo adj = N	Cond adi –			Lot Address		=
INDICAT	Topo adj = Mild (-05) & wet areas (-20) = 0.75	gravel road (-05)		oad 2/7/201	ss Date		
ED EXCESS /	areas (-20) = 0.75	good site (nond)		Coach Road 2/7/2014 \$ 85,000	Price	Sale	
INDICATED EXCESS ACREAGE PRELIMINARY VALUE IS ROUNDED TO \$1,800/ACRE		Cond adi - gravel mad (-05) good site (nond) (+10) rolling tono (-10)		0	T0 4/1	Months	
ELIMINARY	3	(-10)		\$ 85,000 0.9	Sale Price	Adjusted	0.00/0
VALUE				0.9	Adj	NBHD	07.0
IS ROL				0.95	Adj	Cond	יר מטורטי
JNDED TO			M5*I*J	\$55,575	Value	Site	מאטר מטורטאטרר טויר אארטרי
\$1,800				0	FF \$	XS Rd	V
/ACRE			Ŧĸ-	\$ 29,425	Value	Residual	ψου,ουο
				28.3	XS acres	# of	
			M/N	\$1,039.75	Value	Per Acre	
				0.76	Adj.	Size	
\$ Z	€ .	AL		0.75	Adj.	Торо	
viedian \$ 1,824	\$1,824	Average	(O/P)/Q	\$1,824	Acre Value	Indicated	1

## RESIDENTIAL PRELIMINARY BUILDING SQUARE FOOT COST ANALYSIS GREENFIELD

												•		T	1	
		oor	5=v.poor								'n	Excess Acres Adj = 1.0 acres for 4 acre site	Adj = 1.0 acre	Excess Acres		
\$ 68		Ý	4=poor			= 0.85;	/ild Topo (-05)	रेoad (-05) & №	Location Adj = Below average neighborhood; Site cond = Gravel Driveway (-05), Gravel Road (-05) & Mild Topo (-05) = 0.85;	Gravel Drivew	od; Site cond =	ye neighborho	= Below averaเ	Location Adj =	S4	
MEDIAN		~	3=fair					4 acre site	Site cond = Good Site (+10) & Mild Topo (-05) = 1.05; Excess Acres Adj = 1.18 acres for 4 acre site	ess Acres Adj	-05) = 1.05; Ex	& Mild Topo (	ood Site (+10)	Site cond = G	S3	
\$ 70		ve	2.5=ave				site	res for 4 acre	Site cond = Mild Topo (-05) & Gravel Driveway (-05) = 0.90; Excess Acres Adj = 2.496 acres for 4 acre site	)0; Excess Acre	∍way (-05) = 0.∜	& Gravel Drive	'ild Topo (-05)	Site cond = M.	S2	
AVERAGE		οd	2=good		for 4 acre site	dj = 1.507 acres	xcess Acres A	(-05) = 0.90; E	Location Adj = Above ave neighborhood; Site cond = Gravel Driveway (-05) & Mild Topo (-05) = 0.90; Excess Acres Adj = 1.507 acres for 4 acre site	√el Driveway (-	ite cond = Gra	eighborhood; &	- Above ave n	Location Adj =	<u>S</u> 1	
	=	1.5=v.good	1.5=1													
Q/M/1-(P*K5/10	O*(sqrt(R5-N) L/Q/M/1-(P*K5/10		1=exc		F-I-J-K			O5*G*H			D+(E*E5)%		10/1/2013	Sales are trended through 10/1/2013	Sales are tre	
\$79	14 1,235	2.5	1984	1.291 19	\$ 103,275	-\$ 5,400	\$ 400	\$ 49,725	0.85	0.90	\$ 148,000	0	\$ 148,000	3/24/2014	S4-9	4
\$ 65	13 2,132	2.0	1972	1.151 19	\$ 133,700 1.	-\$ 5,000	\$3,000	\$ 68,250	1.05	1.00	\$ 199,950	14	\$ 215,000	7/19/2012	V4-13	3
\$ 69	3 2,005	2.5		1.161 2013	\$ 153,945	-\$ 2,700	\$ 200	\$ 58,500	0.90	1.00	\$ 209,945	1	\$ 211,000	8/5/2013	R9-43-1-1	2
\$ 68	3 1,885	2.5		1.121 2013	\$ 137,850	-\$ 4,400	\$0	\$ 64,350	0.90	1.10	\$ 197,800	0	\$ 197,800	3/26/2014	R9-43-14	1
Value	Depre Sq Ft	Condtn [	Built Co	Rate Bu	Value R	Value	Value	Value	Topo Adj	Adj	Price	Mnths	Price	Date	PID	#
Bldg Sqr Ft	Age	Age	Year /	¥.	Residual	& Rd Frnt	Features	Land	Cond or	Location	Adj	Trend	ile	Sale		Sale
Indicated		Building	В		Building	Excess Acs	Extra		Site							
2014		000	\$ 65,000	∘ value=	Base developed site value=		Depreciation Rate= 1.25	Depi				-0.50%	Trend %/Mth			
Dase I cal																
Dasa Vost																

AS THE MEDIAN IS A BETTER INDICATOR OF VALUE, THE PRELIMINARY COST PER SF FOR RESIDENTIAL = \$68

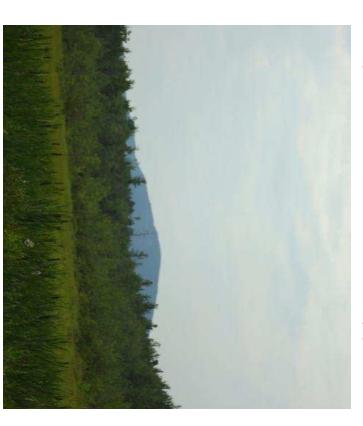
10/01/13

## GREENFIELD, NH 2014 VIEW CONTRIBUTORY VALUE ANALYSIS

ממח	מת	3	מת תח	מאמ	2	2	>	-		>	0000	6 77 000	-	07.5.1 3/19/2014 E 57 000	3/10/201	07.5	_
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÷0.,-0-	00		\$ 120,101 1.00	ψ0,300		ψ11,100	۷,۱۷۷	67	1000		1.2.0	₩ 224, I / O		#JU/2012 \$ 2#J,000	4/30/2012	1/4-44	-
661 181	3	100	£ 126 181	e n	# 0 300	¢ 77 730		30	S Л			¢ 22/ 175	17	000 4VC \$	1/30/2012		_
vu value	Topo Adj	Adj	Value	Value	Value	Value	SqFt	Depre	Built Cond	Built	Grade	Price	Minths	Price	Date	펌	#
							!	,		;					,	1	:
Contributory	Condor	Locath	Kesiduai	& KO FINE	reatures			Age	Age	rear		Adj	Irena	Sale	u		Sale
Contain the same	2	-						•	•	<b>Y</b>		<u>.</u>	1	<u> </u>	,		-
Illuicated	OI E		Land	ACESS ACS	EXITA			Building									
5 2 5 5 5 5 5	2		-	V	T			111111111111111111111111111111111111111									
2014	\$40.00	(MHD)= \$40.00	(RES) = \$ 68.00	COST (RES) =	JARE FOOT	ESTIMATED \$ PER SQUARE FOOT COST	ESTIMATE		3.00	(MHD)	1.250	Trend %/Mth -0.50% Bldg Dep (RSA) 1.250 (MHD) 3.00	-0.50%	Trend %/Mth			<u> </u>
Base Year			\$ 65,000	/ALUE=	DEVELOPED SITE VALUE	DEVEL											

S1 Building is a Double Wide Manufactured Home; Site cond adj = good site (+10) & ROW acc (-10) = 1.0

S1 = Map R4, Lot 44 includes a mountain view at a distance, wide width & most depth



S2 = Map R7 Lot 5-1 includes a mountain view at a distance, narrow with and top depth

S2 Location adj = above average neighborhood; Site cond adj = mild topo (-05) & vacant (-40) = 0.55

# GREENFIELD MANFACTURED HOUSING PRELIMINARY SQUARE FOOT COST ANALYSIS

\$65,000
----------

# GREENFIELD SUNSET LAKE WATERFRONT PRELIMINARY CONTRIBUTORY VALUE ANALYSIS

			Trend %/Mth	0.00%	Bldg Dep	1.250					ESTIMATE	ESTIMATED \$ PER SQUARE FOOT COST =	ARE FOOT		\$ 68.00			2014
									Building	)g			Extra	Xcess Acs	Land		Site	Indicated
Sale		S	Sale	Trend	Adj		Year	Age	Age	Additional			Features	& Rd Frnt	Residual	Locatn	Cond or	Waterfront
#	PID	Date	Price	Mnths	Price	rate	Built	Condtn*	Condtn* Depreciation Depreciation	Depreciation	Sq Ft	Value	Value	Value	Value	Adj	Topo Adj	Value
1	S2-2	4/18/2012	\$ 138,200	17	\$ 138,200	1.467	1915	1.5	19	0.90	583	\$ 44,527	\$ 0	-\$8,100	\$ 101,773	0.90	0.80	\$ 54,973
2	S2-11	7/23/2012	\$ 189,900	14	\$ 189,900	1.253	1930	1.5	17	0.90	1,202	\$ 79,508	\$7,000	-\$6,000	\$ 109,392	0.90	0.75	\$ 65,517
3	S2-16	3/6/2014	\$ 163,300	0	\$ 163,300	1.117	1940	2.5	27	0.95	782	\$ 44,304	\$5,800	-\$6,300	\$ 119,496	0.90	0.80	\$ 72,696
	Bldg Age	Sales are trended through 10/1/2013	ed through 10/1/:	2013	D+(E*E5)%				*(sqrt(R5-H)*G5			K xO\$5 xG x(1-(J/100))	100))		F-L-M-N			O -(O\$4 xP xQ)
	Condtn=	1=exc	1.5=v.good 2=good		2.5=ave	3=fair 4=poor 5=v.poor	4=poor	5=v.poor										<b>AVERAGE</b> \$64,395
<u>s</u>	Located in a b	oelow average nei	ghborhood; Site	Cond = Grav	Located in a below average neighborhood; Site Cond = Gravel Road (-05), Gravel Driveway (-05), Mild Topo (-05), Road Bisects Lot (-05) = 0.80; Excess acres = 0.48 acres for 4 acre site; 64' wf	el Driveway	(-05), Mild	Topo (-05)	), Road Bisects	Lot (-05) = 0.80;	Excess acr	es = 0.48 acres	for 4 acre si	te; 64' wf				MEDIAN
	Add'l Dep = Close to Road	lose to Road																\$65,517
S2	Located in a below average Add'l Dep = Close to Road	oelow average nei Olose to Road	ghborhood; Site	Cond = Rolli	Located in a below average neighborhood; Site Cond = Rolling Topo (-10), Gravel Road (-05), Gravel Driveway (-05), Road Bisects Lot (-05) = 0.75; 93 wf; Excess acres = 0.64 acres for 4 acre site; Add'l Dep = Close to Road	el Road (-05	5), Gravel [	)riveway (⊣	05), Road Bisec	ts Lot (-05) = 0.7	5; 93' wf; E	xcess acres = (	0.64 acres for	r 4 acre site;				

WITH ONLY 3 SALES, THE AVERAGE IS A BETTER INDICATOR OF VALUE, THEREFORE, THE INDICATED AVERAGE SUNSET LAKE WATERFRONT PRELIMINARY VALUE = \$64,000

Located in a below average neighborhood: Site Cond = Gravel Road (-05), Gravel Driveway (-05), Mild Topo (-05) & Road Bisects Lot (-05) = 0.80; Excess acres = 0.48 acres for 4 acre site; 100' WF

S3

Add'l Dep = Interior Layout Issues

These sales indicate that there is no time trend for sales on Sunset Lake. After final testing and calibration, the average Sunset Lake waterfront preliminary value was revised to \$65,000.

## **SECTION 8**

- A. FIELD REVIEW
- B. INFORMAL HEARING PROCESS
  - 1. Number of Hearings
  - 2. Results of Hearing

## A. Field Review

Preliminary values were established based on the cost tables developed and tested via the statistical analysis. The statistical results and preliminary values were reviewed with the local authority, discussing neighborhoods, the sales basis for land and building cost tables, the preliminary sales charts, base values and resulting statistics of all sales along with graphs. A report of all preliminary values in town is also reviewed with the local authority showing the overall value of the town, as well as individual values for their comment.

### **Field Review**

Then the job supervisor and one other assessor reviewed each parcel again for final "form and fit" testing. This review is generally done from the road or driveway checking the exterior to ensure the property structure, quality, condition and depreciation, as well as review the visible site, the lister's notes and picture of the property.

This is a slow, time consuming process that improves consistency from lot to lot and neighborhood to neighborhood, making all subjective considerations of one experienced supervisor. We find this extra effort improves the overall job quality and consistency.

When anomalies are noticed, another inspection is made to correct or verify the situation.

## **Property Specific Adjustment Guidelines**

Site Modifiers – Undeveloped/Wooded Lot - 35% (65 Site Modifier)

Undeveloped/Clear - 50% (70 Site Modifier)

Gravel Driveway

- 5% (95 Driveway Modifier)

No Driveway

- 5% (95 Driveway Modifier)

Gravel Roadway

- 5% (95 Roadway Modifier)

No Roadway

- 5% (95 Roadway Modifier)

- 25% (75 Roadway Modifier)

Shared Driveway/Access (SHDW) - 5% or greater depending on size & impact Varies – dependent upon access characteristics,

typically -5 to -10%

Topography (TOPO) Varies – dependent upon severity

Less Than Average Access (ACC)

Cost to Develop (CTD)

Added Site Value (SITE)

Varies – dependent upon severity

Varies – determined by field review

Varies – determined by field review

Added Site Value (SITE)

Road Bisects Lot (RBL)

Class VI Road Frontage

Varies – determined by field review

- 5% (95 Land Condition)

- 75% (25 Land Condition)

Not Buildable (NBD) - 90% (10 Land Condition)
Power Line Easement (PLE) Varies – dependent upon severity

In-Law Apartment +00 (100 Land Condition)
1-3 Family Dwelling +00 (100 Land Condition)
4-5 Family Dwelling +10 (110 Land Condition)

Commercial on site

Varies – depends on how extensive the use

Residential & Commercial on site

Varies – depends on how extensive the use

2 Dwellings on Lot w/Separate Utilities +10% (110 Land Condition)
3 Dwellings on Lot w/Separate Utilities +15% (115 Land Condition)

4 or More Dwellings on Lot w/Sep. Utilities Varies – depends on how extensive the use

No Septic on Developed Site -5% (95 Land Condition)

## **Building Adjustments**

Wall Height (WH)

-1% to -3% Dependent on Severity

This adjustment is typically seen on gambrel style dwellings as there is a loss in space in the upper floor due to the pitch of the roof.

Close to Road (CTR)

-5% to -10% Dependent on Severity

This adjustment is applied to homes that are abnormally close to the road.

Misc/CNotes

Varies

Buildings require depreciation for many items. The overall condition of the home usually accounts for the majority of normal wear and tear items but often depreciation is needed to account for issues that are short lived and have no cost to cure associated with them, i.e. roof and siding.

### **B. Informal Hearing Process**

The informal hearing process begins with a notice of preliminary value and information on how to make an appointment to review the assessment one on one being mailed first class on: <u>August 21</u>, 2014.

Sample notice can be found in Section 5. Abbreviations & Samples

The property owners were given  $\underline{3}$  days, starting  $\underline{9/2/14}$  between the hours of  $\underline{8:00}$  am  $\underline{\&}$  4:30 pm to call and arrange an appointment.

The hearings were held for  $\underline{2}$  days from  $\underline{9/8/14}$  to  $\underline{9/9/14}$  and resulted in  $\underline{13}$  calling to set up appointments to discuss their assessments.

If they were unable to fit into the normal 8-5 P.M. schedule, their name and phone number were taken and once the appointment period was over, all property owners on this list were contacted and arrangements for evening or Saturday meetings were made.

Once all the informal hearings are complete, the supervisor reviews all the information and recommendations from the hearing officer and makes final changes and produces the final statistical results and graphs.

The hearings went smoothly and gave us an opportunity to correct any physical data, as well as complete any interior inspections of properties that had not previously been inspected.

### **SECTION 9**

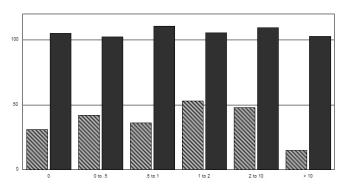
- A. CALIBRATION TECHNIQUE
- B. FINAL STATISTICAL ANALYSIS & TESTING
- C. FINAL VALUATION COST TABLES

### **A. MODEL CALIBRATION TECHNIQUE**

Once all the local sales data has been verified via onsite measure and list of all buildings and land information, the sale date, price and circumstances are verified by the appraisal supervisor via owner interview, questionnaire, PA-34, MLS or prior owner/real estate agent interview.

That data is then used to develop preliminary costs for land and building tables needed for the CAMA system to calculate assessment values for all property in the municipality once the rest of the properties are measured and listed.

When the CAMA cost tables are defined, we compute the assessment to sales ratio for each property and produce graphs and reports which can then be used to calibrate the CAMA system to predict the market value of all property in the municipality as fairly as possibly. The following are samples of the graphs used to test and calibrate the CAMA model through multiple reiterations of the sales analysis program:

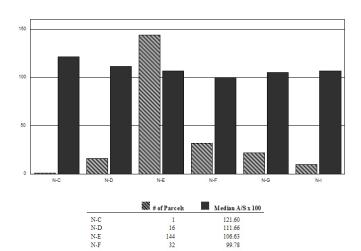


sales in each group, while the solid bars indicate the median assessment to sales ratio. This graph charts ratios for various lot sizes of the sales data and enables us to determine if all lots are fairly assessed regardless of size.

The hashed bars indicate the number of

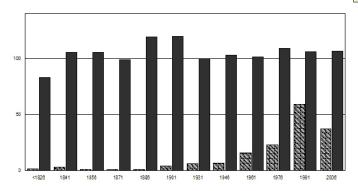


Here the groups, number of sales in each group and the median ratio are displayed.



105.37

The sales are charted by neighborhood designation to test if there is a neighborhood bias. This sample chart indicates that neighborhood "C" is being significantly over assessed; "D" is slightly over assessed, while the other neighborhoods are fairly evenly assessed. However, neighborhood "C" has only one sale and as such, is not a clear indication of a model bias and is disregarded.



	# of Parcels	Median A/S x 100
<1826	2	82.90
1841	3	105.37
1856	1	105.37
1871	1	99.06
1886	1	119.15
1901	4	120.16
1931	6	100.09
1946	7	103.06
1961	16	101.20
1976	23	108.83
1991	59	106.49
2006	37	106.91

This graph is charting building age groups and their median ratio to see if the depreciation schedule is working across all age groups.

It is important to note the number of sales in each group. In this chart, the 1886 group seems to show an over assessment, but it is only one sale and as such, is not as meaningful. However, the 1901 group has four sales with a high ratio and may indicate a problem.

### Sales Ratio Bar Graphs

Median Assessment/Sales Ratio by Year of Construction: This is a comparison of sale to assessment grouped by year of construction. This shows that effect, if any, of age on the median assessment ratio of various age groupings. It is used to help test that the depreciation used for normal age is consistently and equitably working across all ages of the sales.

Median Assessment/Sales Ratio by Effective Area: This graph is a test of the effect of size of the building and its impact on our valuation model. It is used to calibrate, as well as show whether or not the size adjustment scale is effectively working with small buildings, as well as large buildings.

Median Assessment/Sales Ratio by Story Height: This graph normally shows two to four groups based on the number of different story heights in the sales sample and demonstrates the effect of multiple floors on sales. It is used to test and calibrate story height adjustments to ensure our adjustment by story height is working.

Distribution of Sales Ratio: This shows the clustering of sales around our median ratio. The majority of sales should be at or near 1, which is actually 100% and taper off in both directions, below and above the 100% level indicating a normal distribution of sales ratios.

Median Assessment/Sales Ratio by Sale Price: We tested our computed values to actual sales values as in all these graphs, but here we are testing to see if there is a bias between low and high values by graphing the median ratio of value groups - low to high. It is used to test if a bias exists by value.

Median Assessment/Sales Ratio by Neighborhood: This graph tests our neighborhood delineation to ensure that our neighborhood codes are fair and equitable. With a median ratio of all groups as close to 100% as possible, this demonstrates a good neighborhood delineation.

Median Assessment/Sales Ratio by Zone: If there is more than one zoning district in a town and sales exist in more than one zone, the chart will show the median ratio for each zone to test for a zoning bias and to re-calibrate, if necessary, to reflect a reasonable relationship through all zones based on the median ratio.

Median Assessment/Sales Ratio by Acreage: This graph is used to test and calibrate the value difference of various size lots. The chart shows the median ratio by various lot size groupings of the sales data.

Median Assessment/Sales Ratio by Use: This graph shows the median ratio of various groups of land use within the sales data. It is used to calibrate the CAMA model to effectively treat each use fairly at similar assessment to sales ratios.

Median Assessment/Sales Ratio by Building Grade: This graph helps test the effect of building quality of construction adjustments by showing the median ratio for each grade classification within the sales sample.

As the true value of any property falls within a range of the most likely low to the most likely high value, these bar charts should show a relatively straight line. Rarely will it ever be a straight line. It is intended to show whether or not a strong measurable and correctable *bias* exists. As long as there is no trend up or down from the lowest to the highest grouping, then what bias exists, is negligible. In other words, everyone is being treated the same.

However, it is important to note that 1 or even 2 sales do not provide definitive information as to whether a bias exists or not. As such, it is possible for a graph with a group of only 1 or 2 sales to show a spike or drop compared to the rest. And while it is an indication of possible bias, it is not conclusive enough to assume any type of corrective action and as such, in mass appraisal it is documented in these graphs for future monitoring, but does not necessarily affect the overall results of the revaluation program.

All these graphs enable the CAMA model to be tested beyond the standard statistics as required by the DRA and the ASB guidelines to show equity within various categories to ensure the most equitable assessments possible.

### SECTION 9

### B. FINAL STATISTICAL ANALYSIS REPORTS

In order to maintain compliance with the Uniform Standards of Professional Appraisal Practice (USPAP) Standard 6, Mass Appraisal Development and Reporting, the sales analysis results shown on pages 151 through 158 include all of the sales used inclusive of a time trend from 4/1/12 through 10/1/13. The sales analysis results, beginning on page 181 include an analysis for improved properties without waterfront that reflect a trend observed from 4/1/12 through 10/1/13 and a separate analysis beginning on page 243 for improved properties with waterfront for which the sales indicated that no time trend was warranted.

### Sales Analysis Results Greenfield -- 09/17/2014

	Sales Analy	ysis Statistics	
Number of Sales:	29	Mean Sales Ratio:	1.0213
Minimum Sales Ratio:	0.8795	Median Sales Ratio:	1.0217
Maximum Sales Ratio:	1.1474	Standard Deviation:	0.0653
Aggregate Sales Ratio:	1.0190	Coefficient of Dispersion:	4.9313
		Price Related Differential:	1.0022
	Salas Anal	vsis Criteria	

### Sales Analysis Criteria

Sold: 4/1/2012 - 7/1/2014 Sale Ratios: 0.000 - 999.999

Building Value: 0 - 99999999 Bldg Eff. Area: 0 - 99999999

Land Value: 0 - 99999999 Land Use: ALL

Current Use CR: 0 - 99999999 Acres: 0 - 99999999

Year Built: 1600 - 2014 Trend: -0.5% Prior to 10/1/2013

Story Height: ALL Neighborhood: ALL

Base Rate: ALL Zone: ALL

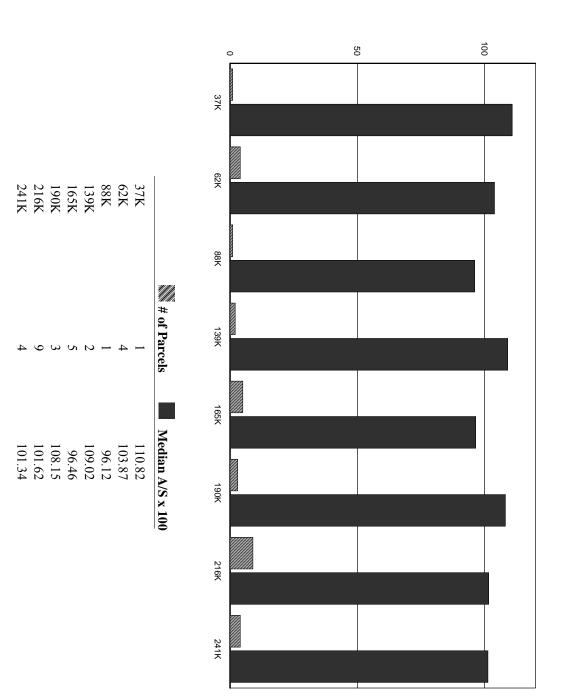
Qualified: YES Unqualified: NO

Improved: YES Vacant: YES

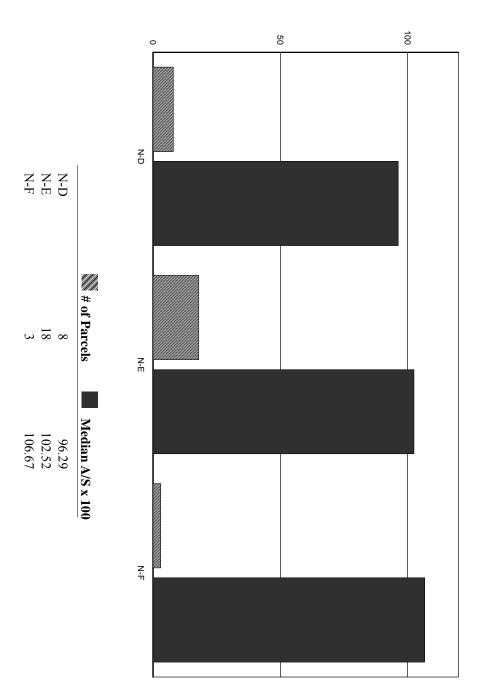
View: All Waterfront: All

Include Comm./Ind./Util.: YES

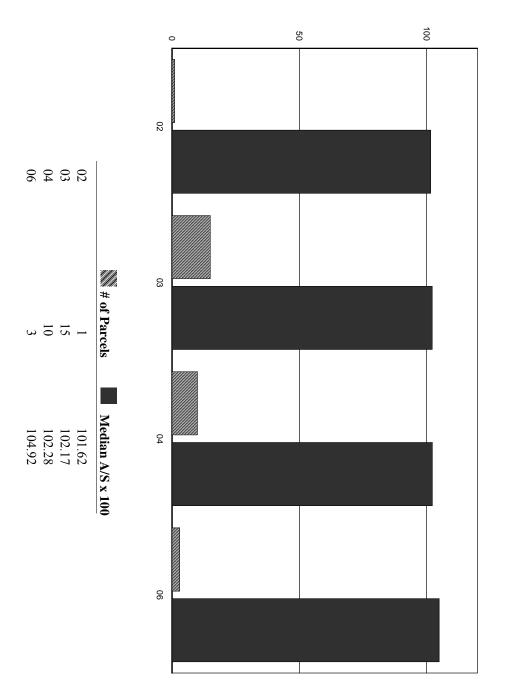
### Greenfield: Median A/S Ratio by Sale Price



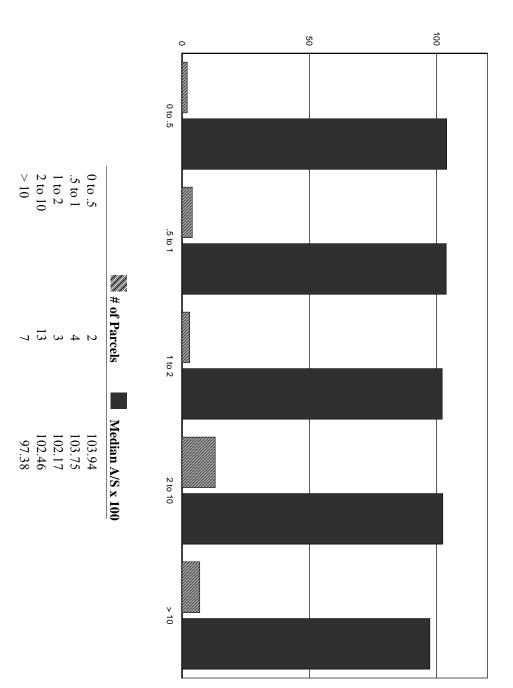
## Greenfield: Median A/S Ratio by Neighborhood



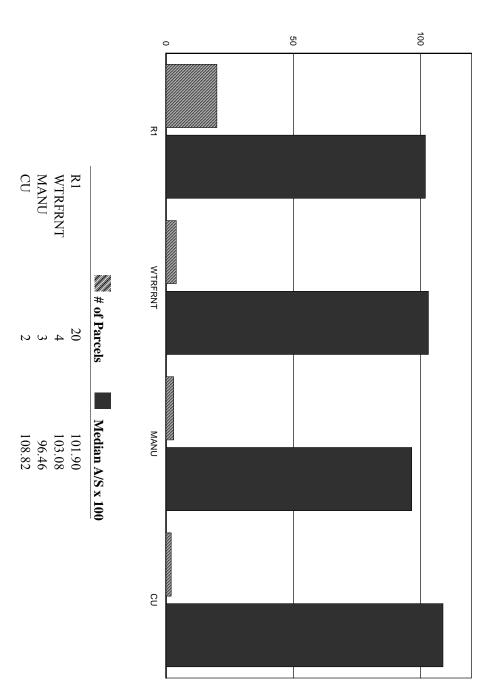
### Greenfield:Median A/S Ratio by Zone



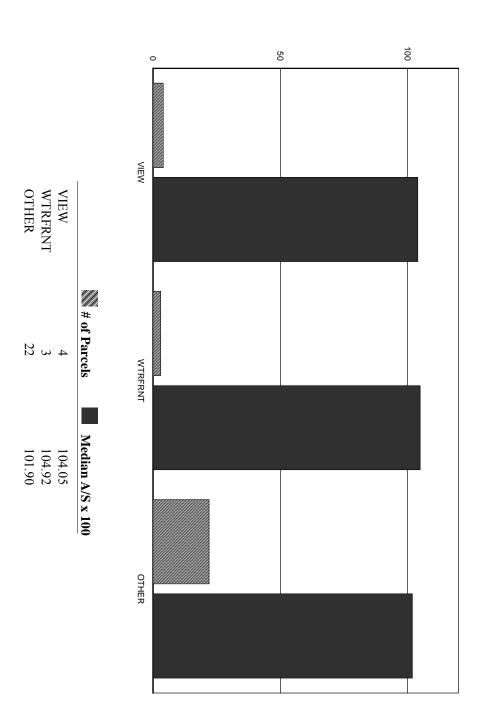
### Greenfield:Median A/S Ratio by Acreage



## Greenfield:Median A/S Ratio by Improved Use



# Greenfield: Median A/S Ratio for Views/Waterfront/Other



### Sales Analysis Results Greenfield -- 09/15/2014

	Sales Analy	ysis Statistics	
Number of Sales:	6	Mean Sales Ratio:	1.0227
Minimum Sales Ratio:	0.8795	Median Sales Ratio:	1.0387
Maximum Sales Ratio:	1.1097	Standard Deviation:	0.0908
Aggregate Sales Ratio:	1.0157	Coefficient of Dispersion:	6.9521
		Price Related Differential:	1.0068

### Sales Analysis Criteria

Sold: 4/1/2012 - 7/1/2014 Sale Ratios: 0.000 - 999.999

Building Value: 0 - 99999999 Bldg Eff. Area: 0 - 99999999

Land Value: 0 - 99999999 Land Use: ALL

Current Use CR: 0 - 99999999 Acres: 0 - 99999999

Year Built: 1600 - 2014 Trend: -0.5% Prior to 10/1/2013

Story Height: ALL Neighborhood: ALL

Base Rate: ALL Zone: ALL

Qualified: YES Unqualified: NO

Improved: NO Vacant: YES

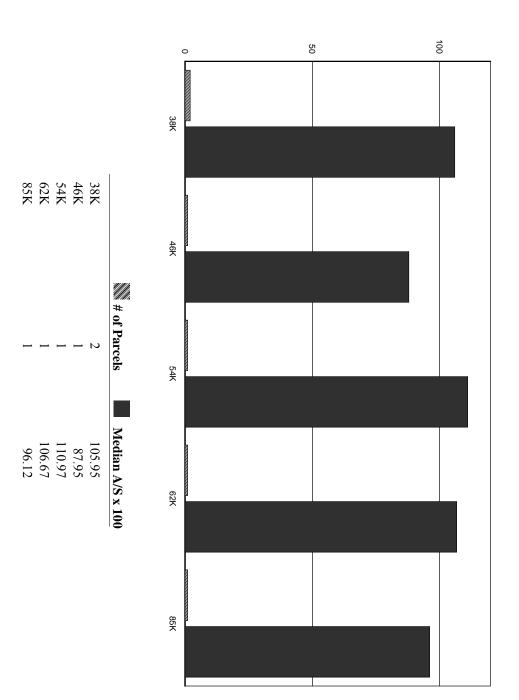
View: All Waterfront: All

Include Comm./Ind./Util.: YES

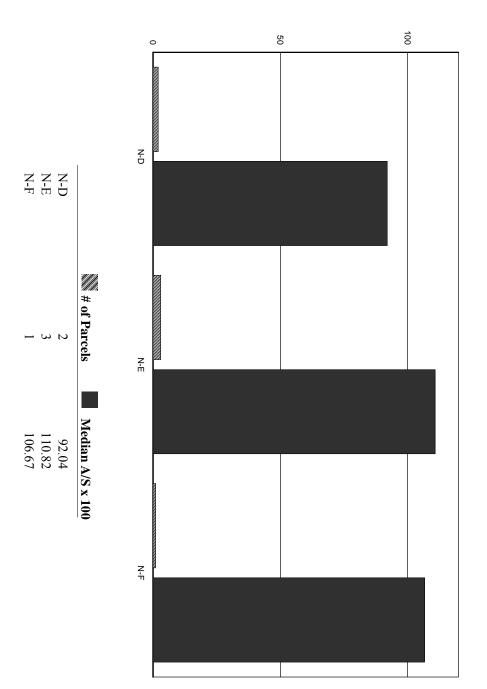
### **Greenfield Sales Analysis Report**

	\$ 61,000	COUNTRY COMFORT HOMES		04/29/2013		2,005								
		Q	<	\$34,400 V Q	\$ 31,040	SA C	ER	2.50 R1 E RSA C	2.50	03	0001-1	1.108 0000R9 000043 0001-1 03	0000R9	1.108
	\$ 93,400	MANGINI,JR VIC BANKRUP		02/07/2014										
		Q	<	\$ 81,700 V Q	\$ 85,000		D	R1	32.30	04	000004	0.961 0000R9 000027 000004 04 32.30 RI D	0000R9	0.961
	\$ 63,500	SMITH, WAYNE E. TRUSTE		08/02/2013										
		Q	<	\$35,700 V Q	\$ 40,590		D	R1	3.33 R1 D		000007	0.880 0000R9 000025 000007 03	0000R9	0.880
	\$ 68,000	MACALASTER, ANDREWS S		05/08/2013										
		Q	<	\$54,100 V Q	\$ 48,750		(I)	OUU	22.49 CUUO E	04	000003	1.110 0000R9 000019 000003 04	0000R9	1.110
	\$ 57,500	MACALASTER, ANDREWS S		09/24/2012										
Pa		Q	<	\$ 37,800 V Q	\$ 37,400		Ħ		5.01 R1	04	000002	1.011 0000R9 000019 000002 04	0000R9	1.011
ge	\$ 146,400	TIMMONS, JEFFRY A. TRU		03/19/2014										
161		Q	<	\$ 60,800 V Q	\$ 57,000		Ŧ	WUU	14.25 CUUW F	04	000001	1.067 0000R7 000005 000001 04	0000R7	1.067
	Prior Year Assessment	Grantor Prior		Sale Date		Eff. Area								
		Q Unqualified Description	Ι	Assessment	Sale Price	3R SH	C	LC N	Sub Zone Acres LC NC BR SH	Zone	Sub	Lot	Map	Ratio

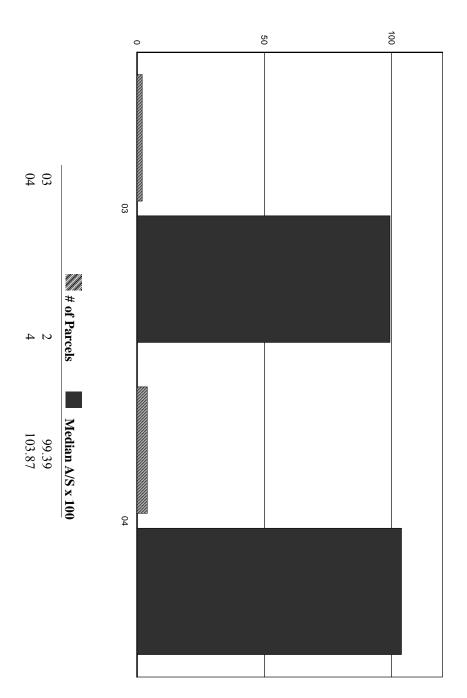
### Greenfield: Median A/S Ratio by Sale Price



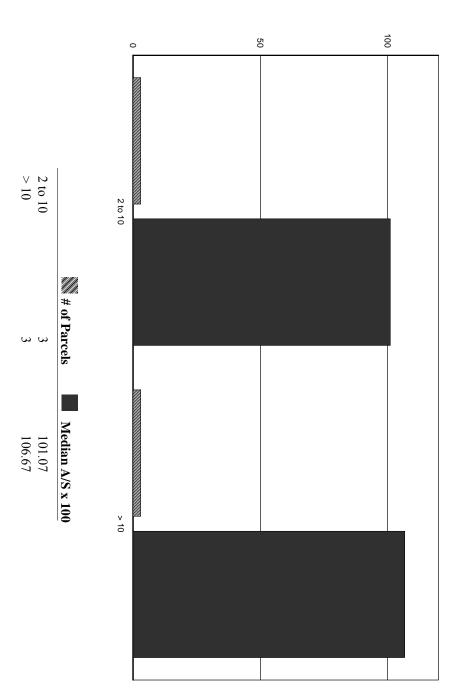
## Greenfield: Median A/S Ratio by Neighborhood



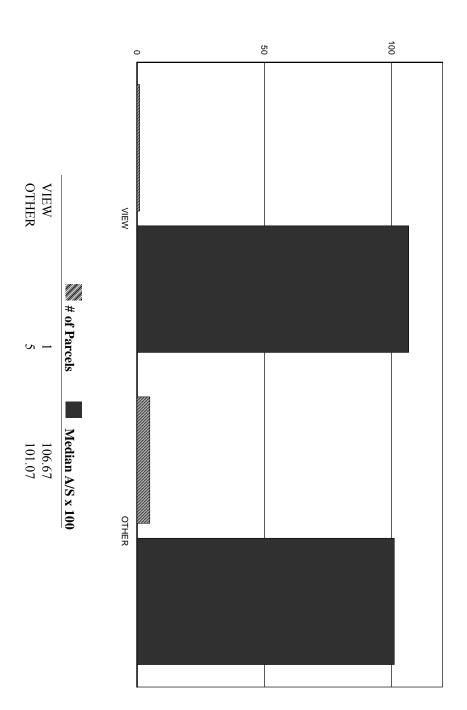
### Greenfield:Median A/S Ratio by Zone



### Greenfield:Median A/S Ratio by Acreage



# Greenfield: Median A/S Ratio for Views/Waterfront/Other



RMATION	)1 Card: 1 of 1  SALES HE	GREENFIELD Printed: 09/15/2014  PICTURE
PERRON, MICHELE M.	03/19/2014 8646 2668 Q V 57,000 TIMMONS, JEFFRY A. 8-12/27/2001 6551 1049 11 V 38 TIMMONS IFFFRY A. 8-5	
121 EAST ROAD	2416 0561 UV90 2375 0033 UV90	Page 16
GREENFIELD, NH 03047		
LISTING HISTORY	NOTES	
07/15/14 KCVL V-SALE 10/02/02 JRHR 04/04/02 DMN 10/26/01 THRV 03/23/01 SCDA	VACANT; 1980 SUBDIV FM R5-34, WAS P/O FARM ACROSS ROAD; WOODS, 30% WETLAND; PL #13533; 5/20/14 PER HO NOT MNGD - ADJ CU LAND; 3/14 SALE TO ABUTTER;	
E	EXTRA FEATURES VALUATION	MUNICIPAL SOFTWARE BY AVITAR
Feature Type Units Ln	Units Lngth x Width Size Adj Rate Cond Market Value Notes	GREENFIELD ASSESSING OFFICE
		PARCEL TOTAL TAXABLE VALUE           Year         Building         Features         Land           2012         \$ 0         \$ 1,322           2013         \$ 0         Parcel Total: \$ 1,322           2013         \$ 0         \$ 0         \$ 1,211           Parcel Total: \$ 1,211         Parcel Total: \$ 1,242           Parcel Total: \$ 1,342         Parcel Total: \$ 1,342
	LAND VALUATION	
Zone: RAD Minimum Acreage: 4.00 Minimum		Site: UNDEVELOPED Driveway: UNDEVELOPED Road: PAVED
Units	Site Road DWay Topography Cond Ad	PIR Tax Value Notes
4 000 ac	110 65 100 95 95 MILD 100 41 900	632
4.000 ac 3.750 ac 6.500 ac 700 000 ff	110 65 100 95 95 MILD 100 41,900 88 90 ROLLING 100 5,300 88 95 MILD 10 1,000 110 4,600	100 N 632 UND 100 N 593 100 N 117 0 N 0 WET
VIEW IN CU  14.250 ac	)W, TOP 25, DISTANT	1,34

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2014 BASE YEAR BUILDING VALUATION			
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Floor.		OREENFIELD, IND 03047	
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Model:	District Percentage	PERRON, MICHELE M.	
BUILDING DETAILS	TAXABLE DISTRICTS	OWNER	PICTURE
i iiiwu.	ELINGIA NOLLE		Lot. 00000
CREENFIELD Printed: 09/15/2014	FAST ROAD	00001 Card· 1 of 1	Man: 0000R7 Lat: 000005 Sub: 000001

Zone: RAD Minimum Acreage: 4.00 Minimum Frontage: 350  Land Type Units Base Rate NC Adj Site Road I  IF RES 4.000 ac 65,000 E 100 65 95  IF RES 1.006 ac x 1,800 X 100  5.006 ac  5.006 ac			Feature Type Units Lngth x Width Size Adi Rate	EX	LISTING HISTORY	SIM, IAN D.       Date       Book       Page       Type         09/24/2012       8473       2471       Q V         06/06/1996       5724       0780       U V 99         26 BEASOM RD       04/08/1996       5707       0828       U V 46         07/21/1994       5565       0657       U V 82         LYNDEBOROUGH, NH 03082       09/10/1975       2416       0560       U V 90	OWNER INFORMATION	Sub: 000002 Card: 1 of 1
DWay         Topography         Cond         Ad Valorem         SPI R           95         95 MILD         100         36,200         0 N           90 ROLLING         100         1,600         0 N           37,800         37,800	LAND VALUATION		Cond Market Value Notes	10/07 ADD PARCEL PER SEPARATE DEED; C.U. IS CONTIGUOUS W/R9-19-3, WILL NO LONGER QUALIFY IF SOLD SEPARATE; 10/12 NEED LUCT; 4/13 REMOVE CU; 7/14; LOT CLEARED, DW ROUGHED; LUMBER ON SITE=ALL EST AFTER 9/12 SALE;  TRA FEATURES VALUATION	NOTES	e Price Grantor  40,000 MACALASTER, ANDREWS S MACALASTER, ANDREWS S. MACALASTER, DOROTHY M. MINER, RICHAR & MURLYN MACALASTER, ANDREWS MACALASTER, ANDREWS	SALES HISTORY	MINER/FLETCHER FM RD
Site: UNDEVELOPED Driveway: UNDEVELOPED Road: GRAVEL/DIRT         nd       Ad Valorem SPI R Tax Value Notes         0       36,200 0 N 36,200 UND/WDS         0       1,600 0 N 1,600 37,800         37,800       37,800		### CASE STANCE    Content of the co	CREENEIEID ASSESSING	MUNICIPAL SOFTWARE BY AVITAR		Page 171	PICTURE	GREENFIELD Printed: 09/15/2014

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Printed: 09/15/2014	GREENFIELD	D	CHER FM RD	ERE	TCE	MINER/FLET	MINE	<b>—</b>		of 1	Card: 1 of 1	ű		0002	Sub: 000002	Sul		019	Lot: 000019	Lot	9	Map: 0000R9	ар: (	3K

Zone: RAD Minimum Acreage: 4.00 Minimum Frontage:  Land Type Units Base Rate NC UNITS RATE RATE RATE RATE RATE RATE RATE RATE		Map: 0000R9 Lot: 000019 Sub:    OWNER INFORMATION
350  Adj Site Road DWay Topography Collino 65 95 95 95 MILD 10 82 90 ROLLING 10 82 95 MILD 1 82 95 MILD 1 82 1	LAND VALUATION	Sub: 000003   Card: 1 of 1   MINER ROAD
Site: UNDEVELOPED Driveway: UNDEVELOPED Road: GRAVEL/DIRT         nd       Ad Valorem       SPI       R       Tax Value       Notes         0       36,200       90       N       174       UND         0       11,300       99       N       381         0       1,400       100       N       10       TOPO/WET         54,100       735       735	## PARCEL TOTAL TAXABLE VALUE    Year	GREENFIELI  MUNICIPAL  GREENF

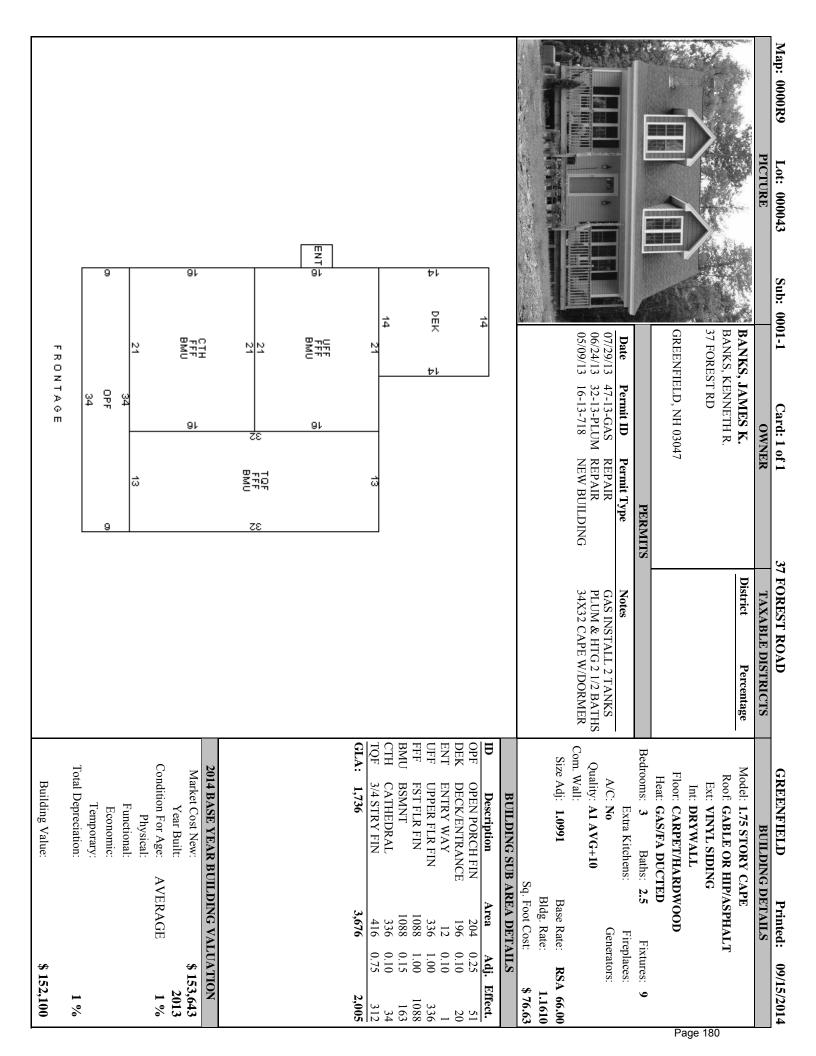
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		Citatin and the control of the contr	
Floor:		GREENFIELD NH 03047	
Ext:		194 MINER ROAD	
Roof:			
Model:	District Percentage	PARKER, BRENDA L.	
DING DETAILS	ABLE DISTRICTS	OWNER	PICTURE
GREENFIELD Printed: 09/15/2014	MINER KOAD	Card: 1 of 1	Map: 0000K9 Lot: 000019 Sub: 000003
		Ca. 1 . 5 1	1 24 000010

Zone: GRD   Minimum Acreage: 2.00   Minimum Frontage: Land Type   Units   Base Rate   NC    IF RES   2.000 ac   62,000   D  IF RES   1.330 ac   x 1,800   X  3.330 ac   3.330   ac	Feature Type Units Lng	Map: 0000R9 Lot: 000025 Sub:  OWNER INFORMATION  SHAW, TREVOR  2136A LAST FRONTIER CIR  2136A LAST FRONTIER CIR  EIELSON AFB, AK 99702-3153  LISTING HISTORY  07/15/14 KCVL V-SALE 07/20/10 MSPR 08/28/01 JRRV
250 Adj Site Road DWay Topography Con 90 70 95 95 95 MILD 100 100 90 ROLLING 100	EXTRA FEATURES VALUATION  Units Lngth x Width Size Adj Rate Cond Market Value Notes	Card: 1 of 1   COACH ROAD
Site: UNDEV CLEAR Driveway: UNDEVELOPED Road: GRAVEL/DIRT         d Ad Valorem SPI R Tax Value Notes         0 33,500 0 N 33,500 UND/CLR         0 2,200 0 N 2,200 35,700 35,700    35,700	MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING  OFFICE  PARCEL TOTAL TAXABLE VALUE  Year Building Features Land 2012 \$0 Parcel Total: \$63,500  Parcel Total: \$63,500	Page 175

Map: 000085   Lat. 00007   Cart. 1 of   CAACL DG   CARCENGELD   Princt (00150014   CARCENGELD																							:
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Lot: 000025   Sub: 000007   Card: 1 of 1   COACH ROAD   TAXABLE DISTRICTS   BUILDING DETAILS		St																					
Lot: 000025         Sub: 00007         Card: 1 of 1         COACH ROAD         GREENFIELD         Printed: 09/15/2014         09/15/2014           PICTURE         SHAW, TREVOR         District         Percentage         Model:           2136A LAST FRONTIER CIR         EELISON AFB, AK 99702-3153         Model:         Ext.         Ext.           4 EXT.         Heat:         Floor:         Heat:         Heat:         Heat:           4 Date         Permit ID         Permit Type         Notes         A/C:         Quality:		Com Wall:																					
Lot: 000025         Sub: 000007         Card: 1 of 1         COACH ROAD         GREENFIELD         Printed: 09/15/2014           PICTURE         SHAW, TREVOR         District         Percentage         Model:           2136A LAST FRONTIER CIR         EIELSON AFB, AK 99702-3153         Lint:         Int:         Floor:           EIELSON AFB, AK 99702-3153         PERMITS         Bedrooms:         Baths:         Fixtures:           Date         Permit Type         Notes         Bedrooms:         Fixtures:           A/C:         Generators:		Quality:																					
Lot: 000025         Sub: 000007         Card: 1 of 1         COACH ROAD         GREENFIELD         Printed: 09/15/2014           PICTURE         SHAW, TREVOR         District         Percentage         Model: Ext: Int: Int: Int: Int: Int: Int: Int: In	Concrators.	: (:																					
Lot: 000025         Sub: 000007         Card: 1 of 1         COACH ROAD         GREENFIELD         Printed:           PICTURE         SHAW, TREVOR         District         Percentage         Model:           2136A LAST FRONTIER CIR         EIELSON AFB, AK 99702-3153         <	Generators:							ļ						1									
Lot: 000025         Sub: 00007         Card: 1 of 1         COACH ROAD         GREENFIELD         Printed:           District         Percentage         Model:         EXHAW, TREVOR         District         Percentage         Roof:         Ext:         Int:         Floor:         Heat:         Heat:         Bedrooms:         Baths:         Fixt	Fireplaces:	Extra Kıtchens:				Notes		VDe	ermit T		mit H	Per	Date										
Lot: 000025         Sub: 00007         Card: 1 of 1         COACH ROAD         GREENFIELD         Printed:           PICTURE         SHAW, TREVOR         District         Percentage         Model:         Roof:         Ext:         Int:         Ext:         Int:         Heat:         Heat:         Heat:         Fixt	i ixtuico.	1					CITT	ATVECT															
Lot: 000025         Sub: 00007         Card: 1 of 1         COACH ROAD         GREENFIELD         Printed:           PICTURE         SHAW, TREVOR         District         Percentage         Model:         Roof:         Ext:         Int:         Int:         Floor:         Heat:	Fixtures.						STI	PERN															
Lot: 000025         Sub: 00007         Card: 1 of 1         COACH ROAD         GREENFIELD         Printed:           PICTURE         SHAW, TREVOR         District         Percentage         Model:         Roof:         EEX:           2136A LAST FRONTIER CIR         2136A LAST FRONTIER CIR         EIELSON AFB, AK 99702-3153         Hit:         Floor:         Floor:		Heat:																					
Lot: 000025       Sub: 00007       Card: 1 of 1       COACH ROAD       GREENFIELD       Printed:         PICTURE       SHAW, TREVOR       District       Percentage       Model:         2136A LAST FRONTIER CIR       District       Percentage       Model:         Ext:         Int:		Floor:							3153	99/02-	3, AK	NAFE	TELSO	П									
Lot: 000025         Sub: 00007         Card: 1 of 1         COACH ROAD         GREENFIELD         Printed:           PICTURE         SHAW, TREVOR         TAXABLE DISTRICTS         BUILDING DETAILS           District         Percentage         Roof:           Ext:         Ext:		1							2	20100				1									
Lot: 000025       Sub: 00007       Card: 1 of 1       COACH ROAD       GREENFIELD       Printed:         PICTURE       OWNER       TAXABLE DISTRICTS       BUILDING DETAILS         SHAW, TREVOR       District       Percentage       Roof:         Ext:		Int-																					
Lot: 000025       Sub: 000007       Card: 1 of 1       COACH ROAD       GREENFIELD       Printed:         PICTURE       OWNER       TAXABLE DISTRICTS       BUILDING DETAILS         SHAW, TREVOR       District       Percentage       Model:         Roof:       Roof:		Ext:							Ħ	TIER C	RON	AST F	136A L	2									
Lot: 000025       Sub: 000007       Card: 1 of 1       COACH ROAD       GREENFIELD       Printed:         PICTURE       OWNER       TAXABLE DISTRICTS       BUILDING DETAILS         SHAW, TREVOR       District       Percentage       Model:		ROOL																					
Lot: 000025       Sub: 000007       Card: 1 of 1       COACH ROAD       GREENFIELD       Printed:         PICTURE       OWNER       TAXABLE DISTRICTS       BUILDING DETAILS         SHAW, TREVOR       District       Percentage       Model:		Poof										`											
Lot: 000025       Sub: 000007       Card: 1 of 1       COACH ROAD       GREENFIELD       Printed:         PICTURE       OWNER       TAXABLE DISTRICTS       BUILDING DETAILS		Model:	centage	Per		District					VOR	TRE	HAW,	<b>SO</b>									
Lot: 000025 Sub: 000007 Card: 1 of 1 COACH ROAD GREENFIELD Printed:	DETAILS	Оприон		DICTL		1/1/1				TATA	c								1101				
Lot: 000025 Sub: 000007 Card: 1 of 1 COACH ROAD GREENFIELD Printed:		RIIIDING	STOIS	DISTE	RIF	TAY.			~	WNEL								R E	PICT				
		GKEEZELEL			RO/	COACH	_		_	: 1 of	Card		07		Sub:		025		Lot:	9	NOOK.	ip: O	<b>≧</b>
				,	)	2			<b>A</b>		1		í	2	2		)	22	4	,		<b>.</b>	<i>*</i>

Zone: RAD Minimum Acreage: 4.00 Minimum Frontage:  Land Type Units Base Rate NC  FARM LAND 4.000 ac 65,000 D  FARM LAND 28.300 ac x 1,800 X  32.300 ac			Feature Type Units Lns	07/15/14 KCVL V-SALE 10/31/01 RFRV 03/29/01 SCDA	LISTING HISTORY	BOLTON, MA 01740	49 POWDER HILL RD		Map: 0000R9 Lot: 000027 Sub:
350  Adj Site Road DWay Topography Cond Ad Va 90 110 95 95 90 ROLLING 100 5 76 95 MILD 80 2 8	LAND VALUATION	Colla	gth x Width Size Adi Rate Cond Market Value Notes	WETLANDS CROSSINGS; 2/14 SALE = BANKRUPTCY TRUSTEE; 7/14; POND TO REAR; EST CABIN BEING BUILT ON THIS LOT; CK 2015; EST 0.06 ACRES NICU AS OF 4/1/15;  EXTRA FEATURES VALUATION	NOTES		/2014 8639 1961 QV 8 //2003 6868 0141 UV24 9 //1983 3056 0528 UV90	Twa	000004 Card: 1 of 1 COACH ROAD  SALES HISTORY
Site: GOOD Driveway: UNDEVELOPED Road: GRAVEL/DIRT         Idorem SPI R       Tax Value Notes         12,300 100 N       1,700         29,400 100 N       12,028         WET AREAS         1,700       13,728		### Comparison of Comparison o	CREENEIEI DA SCESSING	MUNICIPAL SOFTWARE BY AVITAR		Pa	ge 177		GREENFIELD & Printed: 09/15/2014

	110			CALLACA				BIII DING DETAILS
			EK, STEVEN E.	EN E.	Ť	Percentage		
と は の			49 POWDER HILL RD	R HILL RD			Roof Ext:	
		/	BOLTON, MA 01740	1A 01740			Heat:	
				PER	PERMITS		Bedrooms: Baths:	Fixtures:
	N. Control of the con		Date P	Permit ID Permit Type	Notes		Extra Kitchens:	Fireplaces:
							Quality: Com. Wall: Stories:	CEIICIAIOIS
							Base Type:	Base Type:
				•		• • • • •		
			•	•				
	•							
			•			•	2014 BASE YEAR BUILDING VALUATION	DING VALUATION
							Year Built:	
							Condition For Age: Physical:	
	• • • • •			•	• • • • • • • • • • • • • • • • • • • •	• • • • •	Functional: Economic:	
	• • • • •						Temporary:	



#### Sales Analysis Results Greenfield -- 09/15/2014

	Sales Analy	ysis Statistics	
Number of Sales:	20	Mean Sales Ratio:	1.0177
Minimum Sales Ratio:	0.8986	Median Sales Ratio:	1.0190
Maximum Sales Ratio:	1.1215	Standard Deviation:	0.0529
Aggregate Sales Ratio:	1.0174	Coefficient of Dispersion:	3.8493
		Price Related Differential:	1.0002

#### Sales Analysis Criteria

Sold: 4/1/2012 - 7/1/2014 Sale Ratios: 0.000 - 999.999

Building Value: 0 - 99999999 Bldg Eff. Area: 0 - 99999999

Land Value: 0 - 99999999 Land Use: ALL

Current Use CR: 0 - 99999999 Acres: 0 - 99999999

Year Built: 1600 - 2014 Trend: -0.5% Prior to 10/1/2013

Story Height: ALL Neighborhood: ALL

Base Rate: ALL Zone: ALL

Qualified: YES Unqualified: NO

Improved: YES Vacant: NO

View: All Parcels Waterfront: Only Without

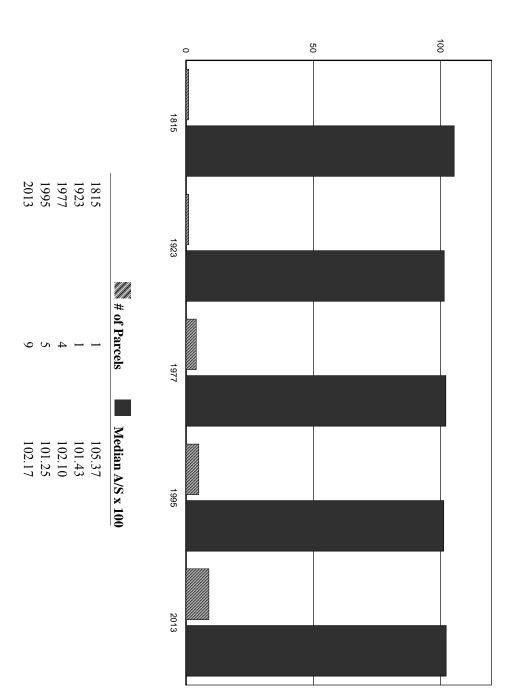
Include Comm./Ind./Util.: YES

#### **Greenfield Sales Analysis Report**

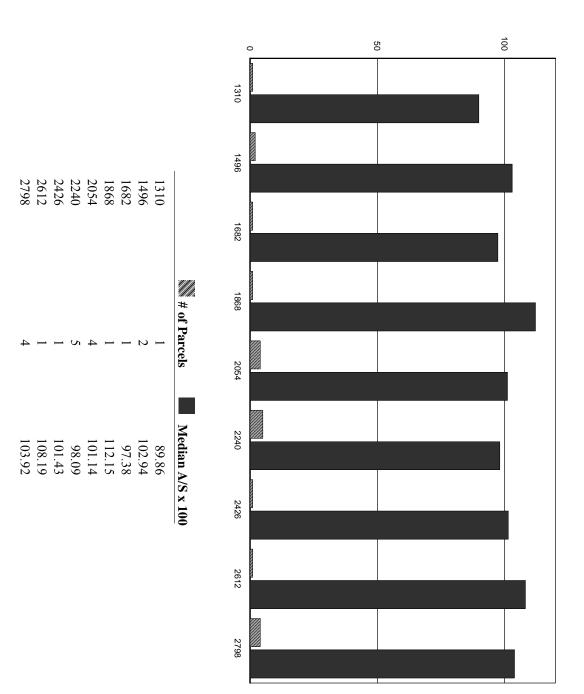
\$ 284,600	Q PUTNAM, BRIAN & LAURA	\$ 237,300 1 03/01/2013	\$ 231,600	2,798	L.	5.00 KI	03	000000	000027	000085	1.025
\$ 253,200	Q MANSFIELD, KIMBERLY	\$ 199,700 I 10/11/2013		2			03	000000	000008	0000S5	1.035
\$ 165,200	Q HILBER, RALF U	\$ 133,000 I 03/24/2014		RSA A 1,235			04	000000	000009	0000S4	0.899
\$ 267,300	Q GOSS, JERRY E TRUSTEE		\$ 224,201	RSA D 2,652	N D	2.10 RIW	04	000000	000001	0000S4	1.012
\$ 61,000	Q ALAERO CONSTRUCTION OU	\$ 209,100 I 08/05/2013	\$ 208,890	RSA C 2,005	T.	2.50 R1	03	0001-1	000043	0000R9	1.001
\$ 61,300	Q BALL DESIGN-BUILD, LLC	\$ 202,100 I 03/26/2014		RSA C 1,885		1.51 R1	03	000014	000043	0000R9	1.022
\$ 238,200	Q BELLETETES SOUTHFIELD	\$ 195,700 I 04/30/2013					03	000012	000043	0000R9	1.121
\$ 263,400	Q HOPKINS, PETER W	\$ 244,700 I 03/29/2013	\$ 241,250	RSA C 2,398	Щ	26.38 R1	03	000000	000039	0000R9	1.014
\$ 259,700	Q BROOKS, MARY M	\$ 174,000 I 12/28/2012	\$ 159,600	RSA D 1,886	H	7.17 R1	03	000000	000020	0000R5	1.090
\$ 253,600	Q REED, EVERETT & REBECC	\$ 214,400 I 04/30/2012	\$ 222,950	MHD A 2,155	H	19.95 R1	03	000000	000044	0000R4	0.962
\$ 225,800	Q RUSSELL, HELEN I.	\$ 195,100 I 06/24/2014	\$ 198,900	RSA C 2,164	til.	4.10 R1	03	000000	000039	0000R4	0.981
\$ 235,400	Q PARKER, JOHN & THEODOR	\$ 204,500 I 11/22/2013		RSA B 1,544		11.60 R1		000001	000010	0000R4	0.974
\$ 180,100	Q BALCOM, IRENE R. TRUST	\$ 135,600 I 08/28/2013	\$ 140,580	MHD A 1,910	D	13.46 R1	04	000000	000044	0000R3	0.965
\$ 277,900	Q BLAKE, BARBARA LEE	\$ 211,000 I 03/04/2013	\$ 200,238	RAN B 2,688	H	4.80 R1	04	000000	000043	0000R3	1.054
\$ 156,700	Q PARKER, JOHN A.	\$ 121,600 I 07/17/2013	\$ 117,708	MHD A 1,411	H	9.73 R1	04	000002	000022	0000R3	1.033
\$ 172,000	Q SULLIVAN, BRET & HALL,	\$ 146,500 I 07/10/2013	\$ 142,825	RSA B 1,403	Щ	0.90 R1	03	000000	000017	0000R3	1.026
\$ 235,100	Q VENNING, R. STEVEN & P	\$ 198,800 I 04/29/2013	\$ 183,815	RSA D 2,758	Щ	1.61 R1	03	000008	000012	0000R3	1.082
\$ 228,200	Q ATHERTON-JR, S & J	\$ 191,800 I 06/05/2012	\$ 199,640	RSA C 2,123	Щ	4.82 R1	03	000000	000011	0000R3	0.961
\$ 269,700	Q FERNANDES, STEPHEN A	\$ 217,300 I 05/17/2012	\$ 200,843	RSA C 2,528	E	2.29 R1	04	000001	000020	0000R1	1.082
Prior Year Assessment	Q Unqualified Description Grantor Prior	Assessment I Sale Date	Sale Price	BR SH Eff. Area	NC	Acres LC	Zone	Sub	Lot	Map	Ratio

	1.016 0000V4 000013		Ratio Map Lot
	000000		Sub
	02		Zone
	1.18		Acres
	R1		$\mathbf{LC}$
	H		NC
	RSA	E	BR
2,132	В	Eff. Area	HS
	\$ 198,875	-	Sale Price
07/19/2012	\$ 202,100	Sale Date	Assessment
	I		1
HILLEGASS, VIRGINIA I	~	Grantor	I Q Unqualified Description
H \$ 224,700		Prior Year Assessment	

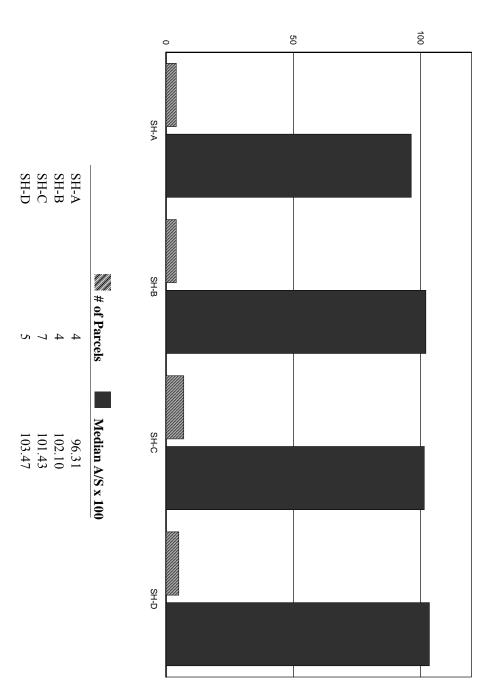
## Greenfield: Median A/S Ratio by Year of Construction



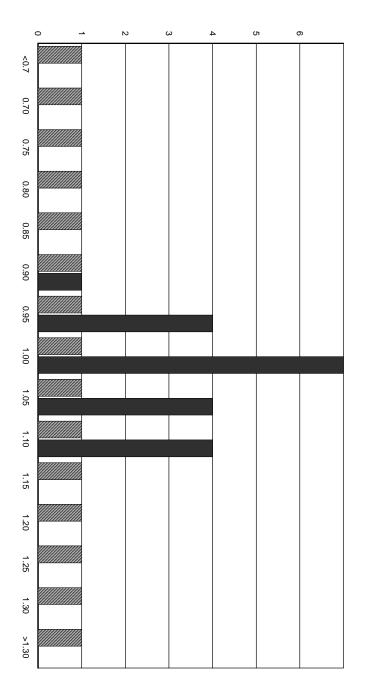
## Greenfield: Median A/S Ratio by Effective Area



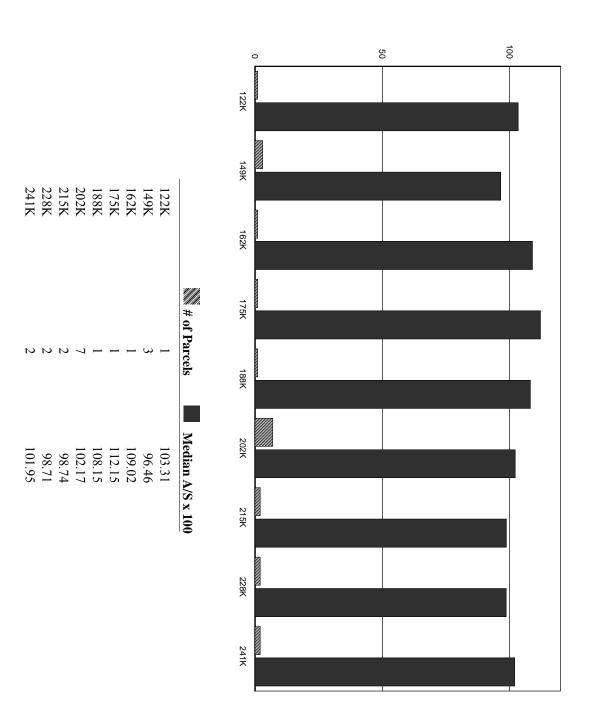
#### Greenfield: Median A/S Ratio by Story Height



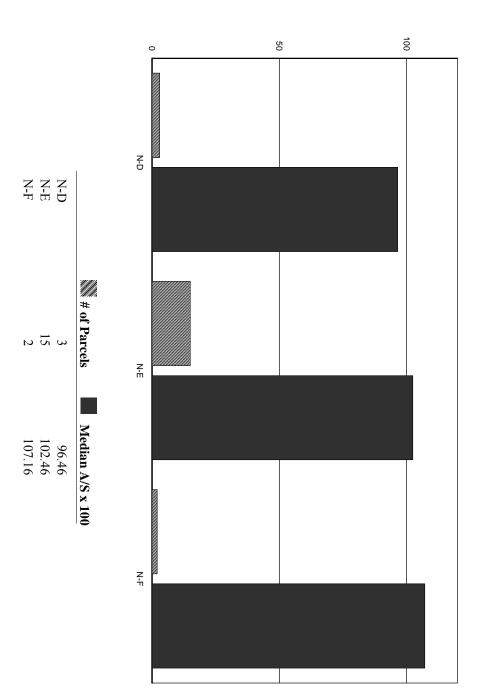
#### **Greenfield:Distribution of Sale Ratios**



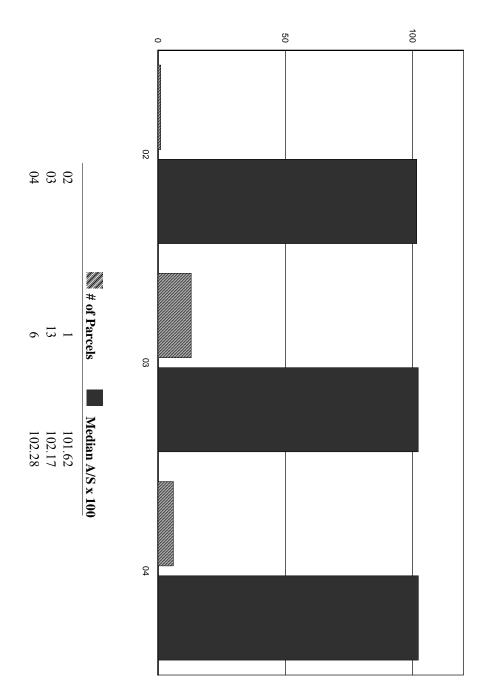
#### Greenfield: Median A/S Ratio by Sale Price



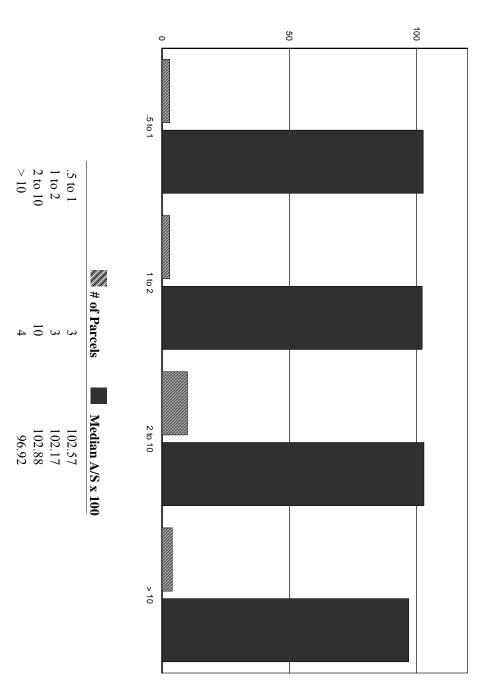
## Greenfield:Median A/S Ratio by Neighborhood



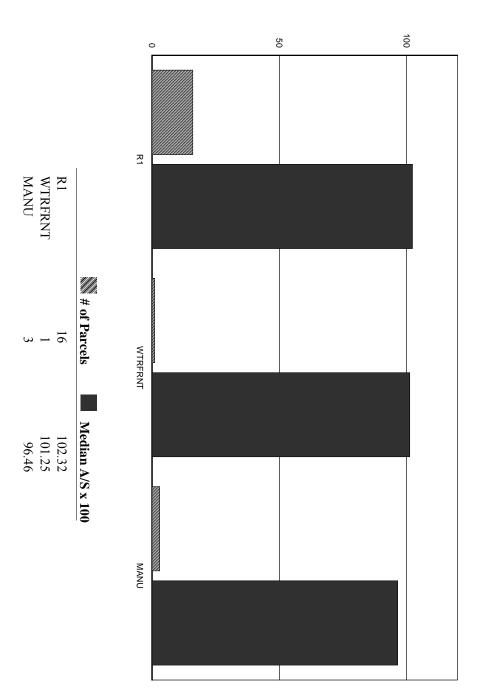
#### Greenfield:Median A/S Ratio by Zone



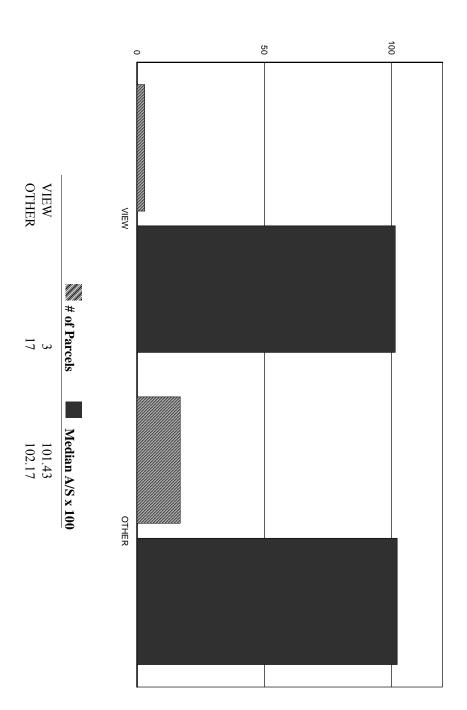
#### Greenfield:Median A/S Ratio by Acreage



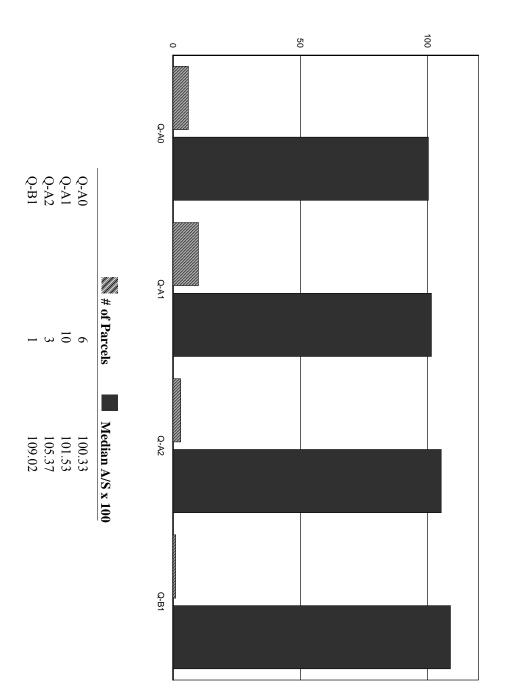
## Greenfield:Median A/S Ratio by Improved Use



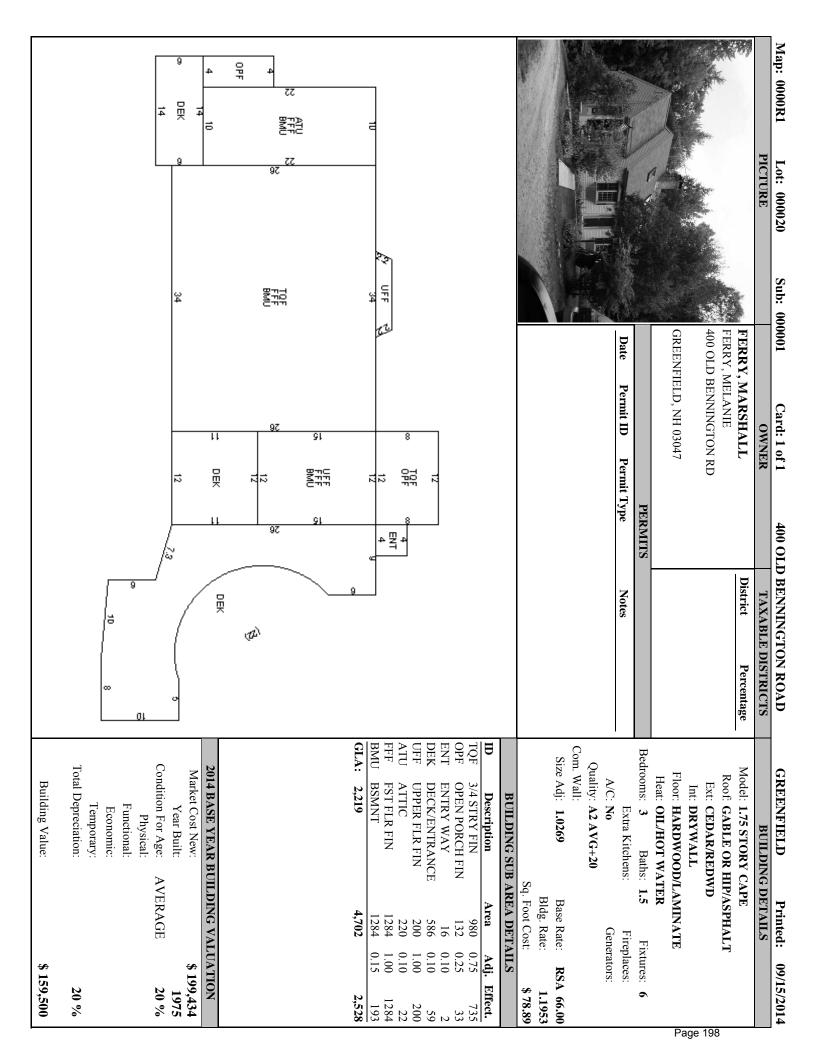
# Greenfield: Median A/S Ratio for Views/Waterfront/Other



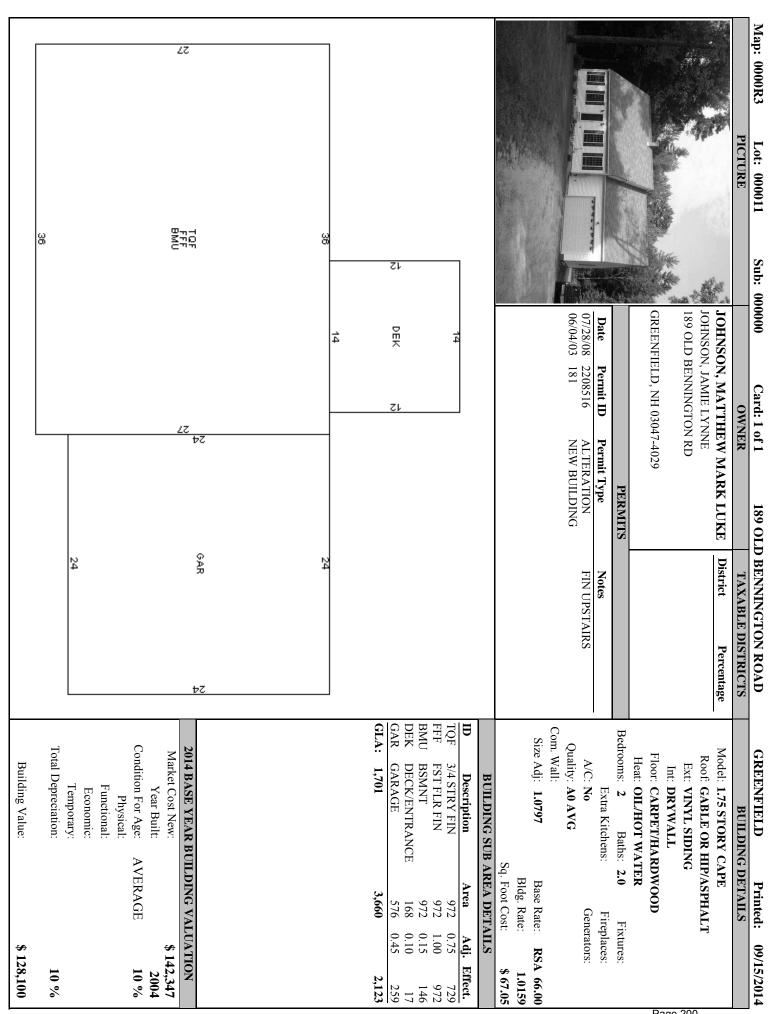
## Greenfield: Median A/S Ratio by Building Quality



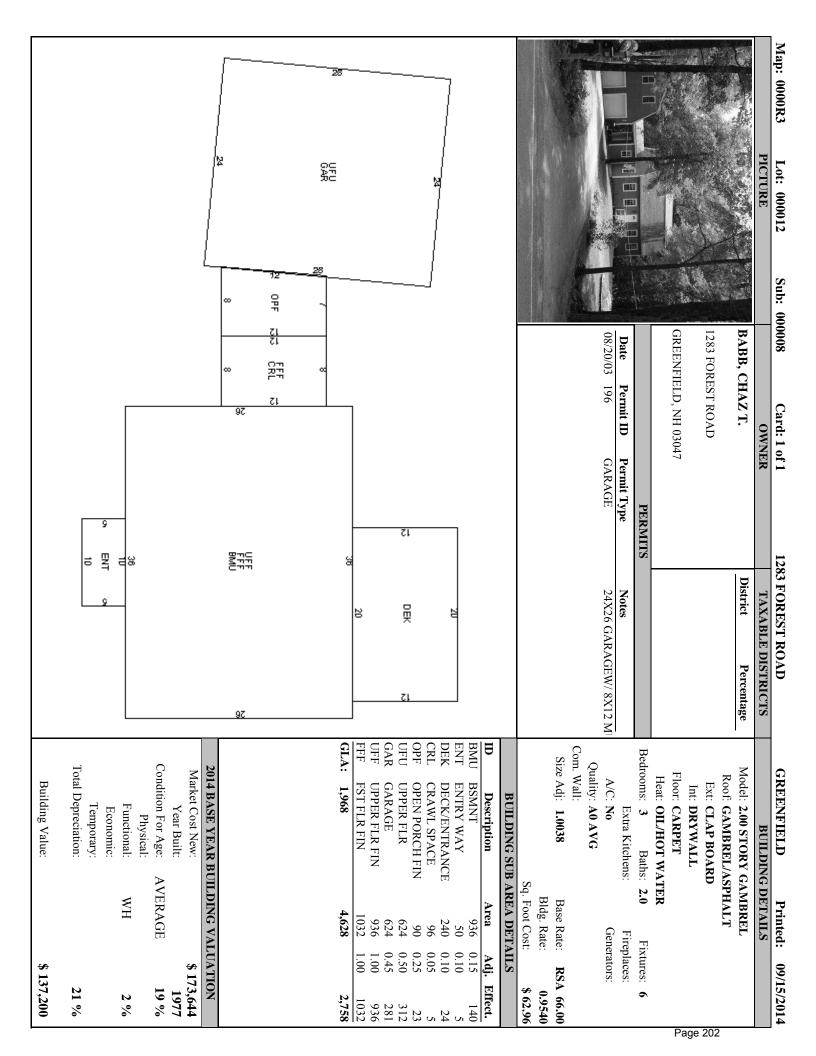
Zone: RAD       Minimum Acreage: 4.00       Minimum Frontage: 350         Land Type       Units       Base Rate       NC       Adj       Site       Road       DWay       Topography       Cond         1F RES       2.290 ac       62,435 E       100       100       95       95       95 MILD       100         2.290 ac       2.290 ac       100       10	Cond Market V 100 1 100 1 100 1 4 4	Date Book Page Type  05/17/2012 8427 2927 Q1  07/20/1992 5355 0053 U19  TAN; ORG CABINETS; WOOD: STREAM RUNS THRU REAR; I MEAS, EST EPF TO FFF; PU DI FRM H.O. (MRS) DNVI; POOL POOL OR REMOVE OLD; DEC	OWNER INFORMATION SALES HISTORY
Site: AVERAGE Driveway: GRAVEL/DIRT Road: GRAVEL/DIRT nd Ad Valorem SPI R Tax Value Notes  00 53,500 0 N 53,500  53,500 53,500 53,500	SHAPE    Year   2012   2014	MUNICIPALS	PICTURE



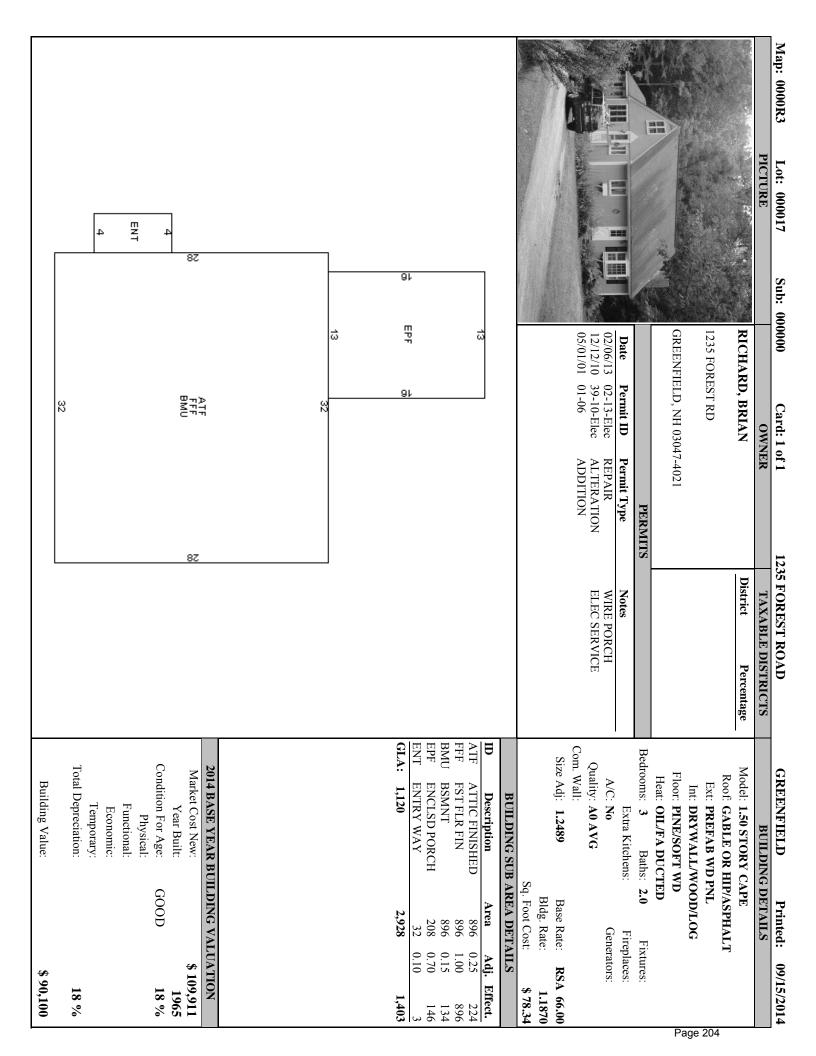
Zone: GRD   Minimum Acreage: 2.00   Minimum Frontage:   Land Type   Units   Base Rate   NC		Feature Type  Units Lngth x Width Size Adj	07/14/14 KCVM V-SALE 10/14/12 ERVR VERIFY SALE 08/04/11 ERVM 07/26/11 INSP MARKED FOR INSPECTION 02/17/09 KCPM 01/04/07 DLPR 02/02/05 JDPR 03/16/04 JDPM	JOHNSON, MATTHEW MARK LUKE  JOHNSON, JAMIE LYNNE  189 OLD BENNINGTON RD  GREENFIELD, NH 03047-4029	Sub: (
250  Adj Site Road DWay Topography Cond Ad Valorer 100 100 100 95 100 LEVEL 100 58,90 100 95 MILD 100 4,80 63,70	LAND VALITATION	EXTRA FEATURES VALUATION  Lingth x Width Size Adj Rate Cond Market Value Notes	BDIVIDABLE DUE TO DED; LEVEL TOPO; 4 TO TQF, ADD 2-BED	Book Fage Type	Card: 1 of 1 18 SALES HI
Site: AVERAGE Driveway: GRAVEL/DIRT Road: PAVED         n SPI R Tax Value Notes         0 0 N 58,900         0 0 N 4,800         0 63,700	## PARCEL TOTAL TAXABLE VALUE    Year	MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING		Page 199	GREENFIELD Printed: 09/15/2014 PICTURE



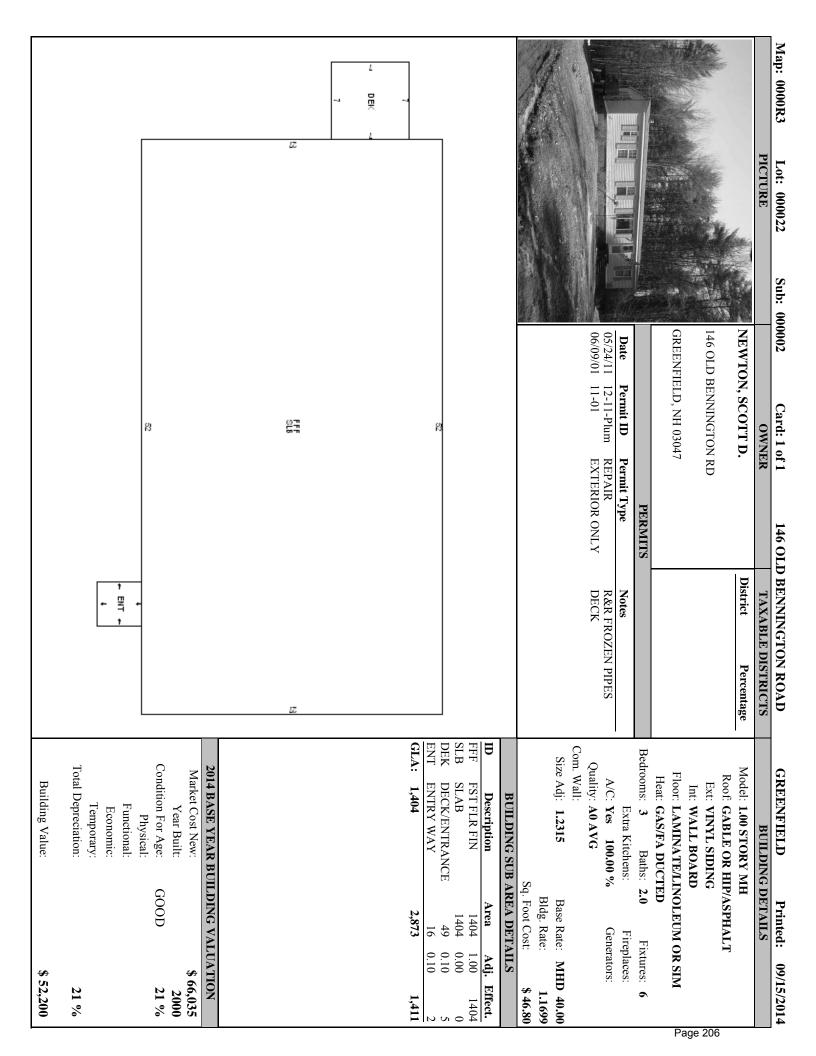
Zone: GRD Minimum Acreage: 2.00 Minimum Frontage: 250  Land Type Units Base Rate NC Adj  IF RES 1.610 ac 61,220 E 100  1.610 ac		Date   Book   Page   Type   Type   Units   Lngth x Width Size Adj   Rate   State   S	Map: 0000R3 Lot: 000012 Sub: 000008
Site Road DWay Topography Cond Ad Valorem SPI R 100 100 100 95 MILD 100 58,200 0 N 58,200	LAND VALUATION	Date         Book         Page         Type         Price Grantor           04/29/2013         8553         2120         Q1         189,500         VENNING, R. STEVEN & P           04/29/2013         8553         2120         Q1         189,500         VENNING, R. STEVEN & P           04/29/2013         8553         2120         Q1         189,500         VENNING, R. STEVEN & P           NOTES           VIFUL REAR DORM, GAR GAMBREL AS           VIEWFUL REAR DORM, GAR GAR GAMBREL AS           VIEWFUL REAR DORM, GAR GAMBREL AS           <	Card: 1 of 1 1283 FOREST ROAD SALES HISTORY
Site: AVERAGE Driveway: PAVED Road: PAVED         PI R Tax Value Notes         0 N 58,200         58,200		MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING  OFFICE  PARCEL TOTAL TAXABLE VALUE  Year Building Features Land 2012 \$158,000 \$3,700 \$73,400 Parcel Total: \$235,100 Parcel Total: \$198,800	GREENFIELD Printed: 09/15/2014



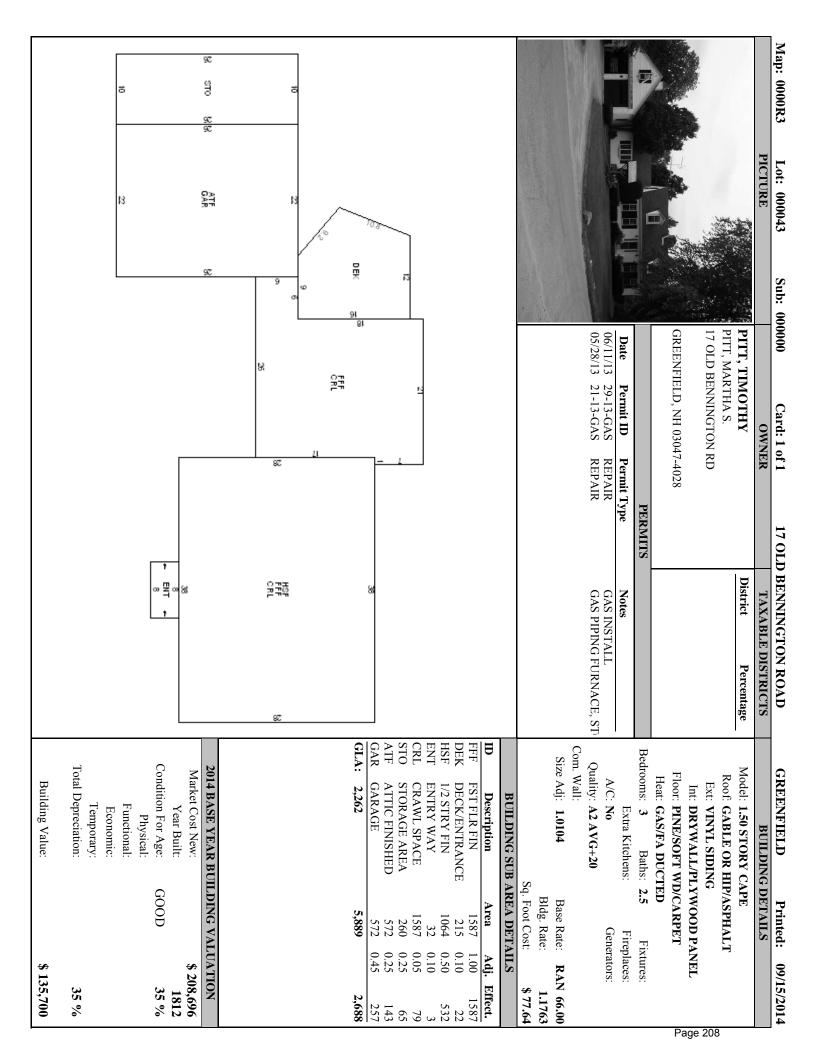
PI R Tax Value Notes  0 N 51,100 WET AREAS  51,100	Adj         Site         Road         DWay         Topography         Cond         Ad Valorer           100         100         100         95         95 MILD         95         51,10           51,10         51,10         51,10         51,10         51,10	Units 0.900 ac 0.900 a
Site: AVERAGE Driveway: GRAVEL/DIRT Road: PAVED	250	Zone: GRD Minimum Acreage: 2.00 Minimum Frontage:
### PARCEL TOTAL TAXABLE VALUE   Year	3,000.00 100 7.00 60 7.00 80 7.00 20	- STAND 1 64 96 56
GREENFIELD ASSESSING	EXTRA FEATURES VALUATION  Lngth x Width Size Adj Rate Cond Market Value Notes	Feature Type Units Lngth x
DE NY AVITA DE NY AVITA DE	GRY/WHT; 2002 PICK-UP ADDITION; 2002 NEW BATH 2ND FLOOR; 1/03 ADD 2ND BATH; 3/14 DNVI/WANTED HO HOME, INFO ONLY, ADDED WINS & ELECT TO OPF=EPF, REMOVED LEAN-TO, CORR SHED, P/U PATIO, PLANS TO ADD HEAT TO EPF; CK 2015; 7/14; INFO FRM H.ODNVI=BAD TIME; INT TOTAL RENO W/KIT, BTHS ETC PRIOR TO 7/13 SALE; DNPU WALKWAY/PATIO;	INSPECTION
	NOTES	LISTING HISTORY
	Date         Book         Page         Type         Price Grantor           07/10/2013         8581         0105         Q1         145,000 SULLIVAN, BRET & HALL,           01/03/2013         8512         1647         U137         58,000 BANK OF NEW YORK           12/16/2009         8162         1983         U151         136,125 NUTTING/FORECLOSURE           08/02/2005         7516         0001         Q1         212,000 EASTON-JR, ALAN & PAME           01/07/2002         6558         1763         U138         EASTON-JR, ALAN B.	RICHARD, BRIAN       Date 07/10 07/10 07/10 01/03 1235 FOREST RD       01/03 12/10 08/02 01/03 01/03 01/07
PICIUKE	SALES HI	
PICTURE	OU CAFG: 1 01.1 1235 FORES1 ROAD SALES HISTORY	OWNER INFORMATION



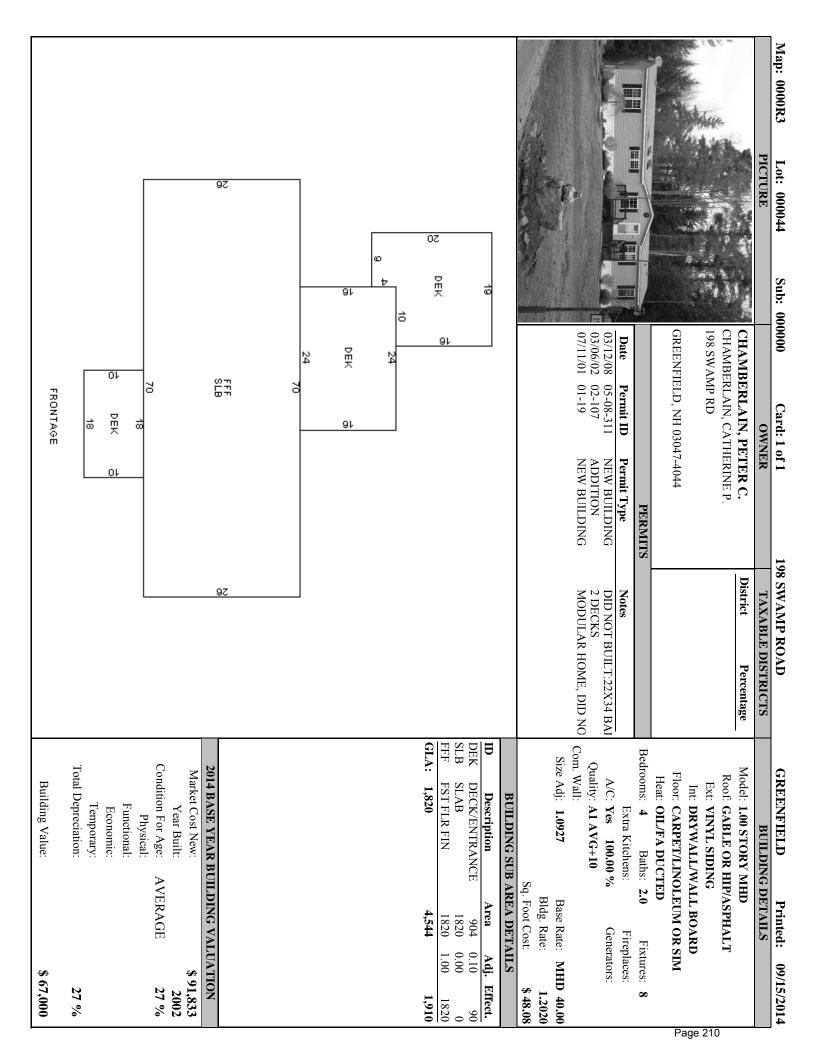
Zone: RAD         Minimum Acreage: 4.00         Minimum Frontage:           Land Type         Units         Base Rate         NC           1F RES         4.000 ac         65,000 E           1F RES         5.730 ac         x 1,800 X           9.730 ac         x 1,800 X	INSPECTION  EX  Units Lng  100		Map: 0000R3 Lot: 000022 Sub: 0
350  Adj Site Road DWay Topography Cond Ad Valorer 100 100 100 95 95 MILD 100 58,70 100 90 ROLLING 100 9,30 68,00	GRY; 3/12 NOH; REMOVED SKIRTING/UC & EST 2ND BTH COMPLETE; 7/14; N.O.H.; DNPU L-TO W/TARP ROOF, STO CONT & OLD DECK W/TENT SHED ON IT;  EXTRA FEATURES VALUATION  Units Lngth x Width Size Adj Rate Cond Market Value Notes  100 10 x 10 220 7.00 90 1,386 T-111/BY DW 1,400	Date         Book         Page         Type         Price Grantor           07/17/2013         8583         2102         Q1         119,500 PARKER, JOHN A.           05/23/2011         8319         0956         U137         59,900 BANK OF AMERICA, N.A.           03/03/2010         8183         0213         U151         DOUSTON, STEVEN & MICH           07/19/1999         6132         1044         Q V         20,533 SCHACHT, GEORGE & BEV   NOTES	000002 Card: 1 of 1 146 OLD BENNINGTON ROAD SALES HISTORY
Site: AVERAGE Driveway: GRAVEL/DIRT Road: PAVED         n SPI R Tax Value Notes         0 0 N 58,700         0 0 N 9,300         0 68,000	MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING  OFFICE  PARCEL TOTAL TAXABLE VALUE  PARCEL TOTAL TAXABLE VALUE  Year Building Features Land 2012 \$ 63,800 \$ 1,400 \$ 91,500  Parcel Total: \$ 156,700  2013 \$ 63,800 \$ 1,400 \$ 91,500  Parcel Total: \$ 156,700  Parcel Total: \$ 156,700	Page 205	GREENFIELD Printed: 09/15/2014 PICTURE



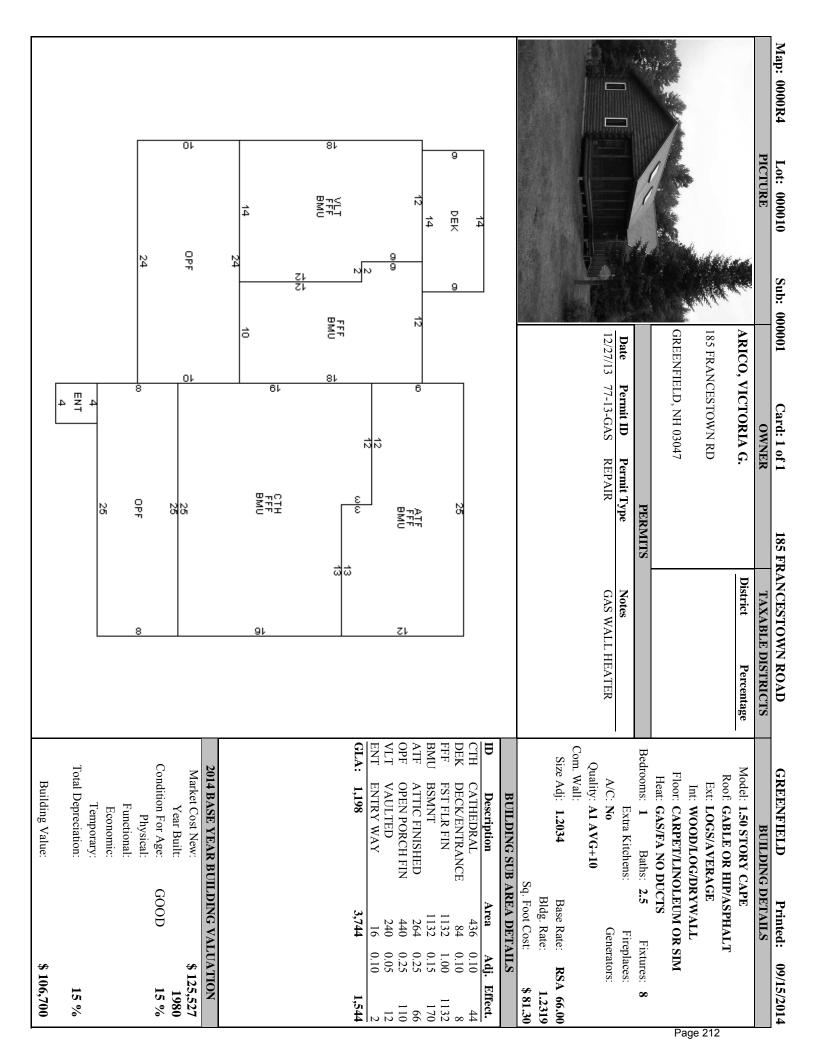
	100 100 100 100 LEVEL 100 65,000 100 95 MILD 100 1,400 66,400	4.000 ac 0.80 <u>0</u> ac <b>4.800 ac</b>
Site: AVERAGE Driveway: PAVED Road: PAVED R Tax Value Notes	ontage: 350 Si NC Adj Site Road DWay Topography Cond Ad Valorem SPI R	Zone: RAD Minimum Acreage: 4.00 Minimum Frontage: 350 Land Type Units Base Rate NC Adj
	LAND VALUATION	
2013 \$ 186,900 \$ 9,400 \$ 81,600 Parcel Total: \$ 277,900  2014 \$ 135,700 \$ 8,900 \$ 66,400 Parcel Total: \$ 211,000	8,900 Z	
Year         Building         Features         Land           2012         \$ 186,900         \$ 9,400         \$ 81,600           Parcel Total: \$ 277,900	9 x 7 314 4.00 25 198 ATT TO 9X 7 2 10 x 8 260 4.00 25 208 BY GAR	63
PARCEL TOTAL TAXABLE VALUE	143 7.00 40 769 EST/SHAPE/REAR/BRK	
OFFICE	100 5,000.00 100 5 143 4.00 60	- STAND 1 192
GREENFIELD ASSESSING	Lngth x Width Size Adj         Rate         Cond         Market Value Notes           16 x 12         143         15.00         40         1.647 ATT TO 16X12	Feature Type Units Lngth BARN-1STRY 192 10
MUNICIPAL SOFTWARE BY AVITAR	EXTRA FEATURES VALUATION	EXT
	WHT/BLK; HSE IN GOOD CONDITION FOR AGE; TWO SINKS IN ONE BATH (EXTRA FIX), LOW BMU CEILING; 8/11 NOH; SLB TO CRL EST PER WINDOWS; CORRECTED XFOBS (LEFT OF HSE, FIELD); 3/14 NOH, VUED NEW GAS TANK, EST NEW GAS FURN 2013; 7/14; SPK TO FAM MEMBER - NO INFO; EST ATF OVER GAR;	07/14/14 KCVM V-SALE 03/11/14 ERPR 08/05/11 ERVM 07/26/11 INSP MARKED FOR INSPECTION IN 09/14/05 DIUM 08/10/01 BXRL 02/28/01 SCDA
	NOTES	LISTING HISTORY
Page 207	Date         Book         Page         Type         Price Grantor           03/04/2013         8534         0518         Q1         207,500 BLAKE, BARBARA LEE           03/18/2010         8186         1902         U137         187,000 US BANK, NA           03/18/2010         8186         1898         U151         MERS, INC.           08/19/2009         8126         1842         U146         DEPT. OF VETERANS AFFA           09/23/2008         8020         2365         U151         237,951         KUTY, TODD D	PITT, TIMOTHY  PITT, MARTHA S.  17 OLD BENNINGTON RD  GREENFIELD, NH 03047-4028
IICIONE	SALESIII	NINFONIVATION
GREENFIELD Printed: 09/15/2014	000000 Card: 1 of 1 17 OLD BENNINGTON ROAD  SALES HISTORY	Map: 0000R3 Lot: 000043 Sub: 00



Zone: RAD Minimum Acreage: 4.00 Minimum Frontage:  Land Type Units Base Rate NC  IF RES 3.000 ac 63,500 D  UNMNGD OTHER 10.460 ac x 1,800 X  UNMNGD OTHER 700.000 ff x 60 D  13.460 ac  13.460 ac		EX Units Lng: 64 220	Map: 0000R3 Lot: 000044 Sub: 000000
Adj Site Road DWay Topography Cond Ad 90 100 95 95 95 MILD 100 88 90 ROLLING 60 90 90 ROLLING 25	LAND VALUATION	Book         Page         Type           8598         0985         U12           8598         0987         Q1           8010         2481         U19           8010         2463         U19           6311         0225         UV 9           +/- RD FTG; P/U A/0         TX INCL SET TUB; 3           H.O.; 12X10 SHED A/0         SHED A/0           YRES VALUATION         Size Adj Rate           310         7.00           133         4.00	0 Card: 1 of 1 198 SWAMP ROAD SALES HISTORY
Site: AVERAGE Driveway: GRAVEL/DIRT Road: GRAVEL/DIRT Valorem         SPI R Tax Value Notes           49,000         0 N         49,000 2 AC WEST/I AC EAS           8,900         95 N         463 WET AREAS           8,500         0 N         0 TOPO/WET           66,400         49,463		MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING  OFFICE  PARCEL TOTAL TAXABLE VALUE  PARCEL TOTAL \$ 90,800 \$ 2,200 \$ 71,022  Parcel Total: \$ 164,022  Parcel Total: \$ 164,022  2013 \$ 90,800 \$ 2,200 \$ 70,748  Parcel Total: \$ 163,748  Parcel Total: \$ 163,748  Parcel Total: \$ 118,663	GREENFIELD Printed: 09/15/2014



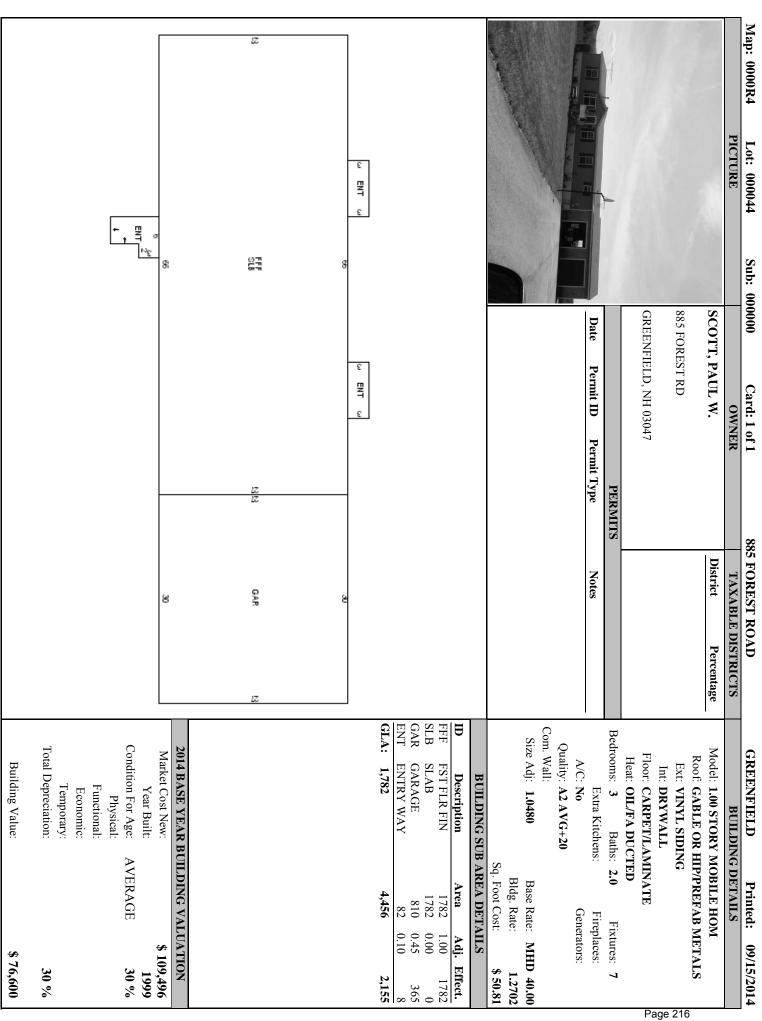
Zone: GRD   Minimum Acreage: 2.00   Minimum Frontage:	LISTING HISTORY   STAIN-07/14/14   KCVL   V-SALE   03/14/14   ERVL   INT ONLY   08/08/11   ERVM   07/26/11   INSP   MARKED FOR INSPECTION   O4/01/09   KCHC   12/18/06   JDLL   09/19/06   MAIL   07/25/06   DLUM   EXTRA FE	ot: 000010 Sub: 0 FORMATION
250  Adj Site Road DWay Topography Cond Ad Valorem 100 110 100 100 95 MILD 100 64,800 90 90 ROLLING 100 14,000 100 35 7,000 85,800	NOTES	Card: 1 of 1   185 FRANCESTOWN ROAD     SALES HISTORY
Site: GOOD Driveway: PAVED Road: PAVED  SPI R Tax Value Notes  0 N 64,800 0 N 14,000 0 N 7,000 CTD/TOPO  85,800	MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING  OFFICE  PARCEL TOTAL TAXABLE VALUE  Year Building Features Land 2012 \$118,900 \$12,200 \$104,300 Parcel Total: \$235,400  Parcel Total: \$235,400	GREENFIELD Printed: 09/15/2014  PICTURE  211



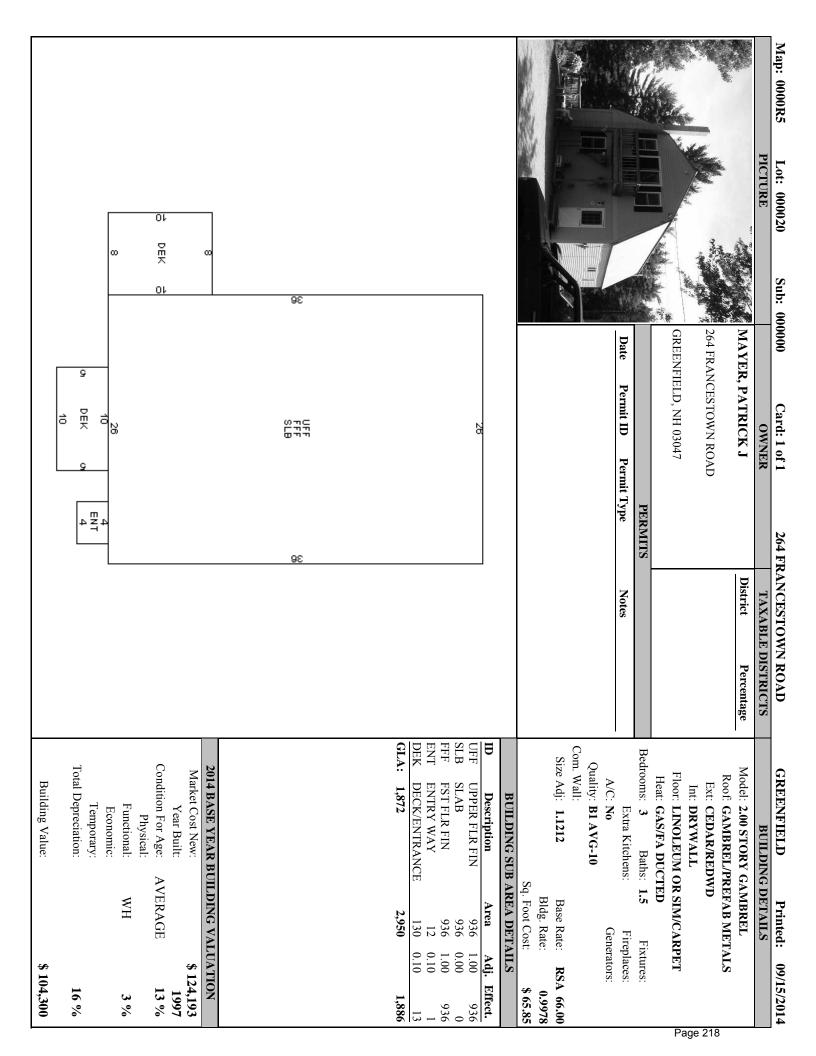
R Tax Value Notes  N 62,000  N 3,600  65,600	Road         DWay         Topography         Cond         Ad Valorem         SPI         R           100         100         100 LEVEL         100         62,000         0         N           95 MILD         100         3,600         0         N           65,600         65,600	Base Rate NC Adj Site 62,000 E 100 100 x 1,800 X 100	Land Type     Units       1F RES     2.000 ac       1F RES     2.100 ac       4.100 ac
Site: AVERAGE Driveway: PAVED Road: PAVED		Minimum Frontage: 250	Zone: GRD Minimum Acreage: 2.00
2012 \$131,000 \$15,600 \$79,200 Parcel Total: \$225,800 2013 \$131,000 \$15,600 \$79,200 Parcel Total: \$225,800 Parcel Total: \$225,800 Parcel Total: \$195,100 Parcel Total: \$195,100	LAND VALUATION		
OFFICE PARCEL TOTAL TAXABLE VAI Building Features	/ELEC/LAD ACC C SLB //BACKYARD	768 32 x 24 81 372 12 x 31 103 192 12 x 16 143	GARAGE-1 STY PATIO SHED-WOOD
GREENFIELD ASSESSING	Rate Cond Market Value Notes	Units Lngth x Width Size Adj Rate	Feature Type
	DK GRY/WHT; 03 NEW WINDOWS; BATHS=4 FIX, 3 FIX; LAND VERY WET, NEEDED 5' OF FILL TO PUT HSE ON LOT; 8/11 NO RECENT UPDATES; AVG=VERT PINE BRDS; ELEC/WD HEAT; INT WALLS T&G DNPU HEARTH; TQF MEAS 16'; CORRECTED MEAS, HEAT SOURCE; 7/14; DW PART GRAVEL; INFO FROM H.O. (MRS) DNVI PER H.O.;		07/14/14 KCVM V-SALE 08/09/11 ERVL 07/26/11 INSP MARKED FOR INSPECTION 11/02/05 JDLL 09/15/05 DIUM 05/29/02 JRRL 02/11/02 JDCE 10/23/01 THRM
	NOTES		LISTING HISTORY
Page 213	rage         Type         Frice Grantor           1355         Q1         198,900 RUSSELL, HELEN I.           510         U124         CORNWELL, ELSIE M.           039         U V 82         COCHRAN-JR, LLOYD R.	06/24/2014 8669 13: 10/01/1976 2485 51 01/05/1970 2063 03	HASKELL, NICHOLAS T. BOURGOINE, JENNIFER L. 99 PETERBOROUGH RD GREENFIELD, NH 03047
PICIURE	SALES HI	1	OWNER INFORMATION
GREENFIELD Printed: 09/15/2014	Cald. 1 01 1 77 1 E 1 ENDONOCOTI NOAD		OWNED INFORMATION

	26	Ž.		₽₹ SEFF FOF			)d									Date		GREE		BOUR 99 PET	HASF	PICTURE	Map: 0000R4 Lot: 000039 Sub: 000000
																Permit ID Permit Type Notes	PERMITS	GREENFIELD, NH 03047		BOURGOINE, JENNIFER L.	HASKELL, NICHOLAS T. District	OWNER TAX	99 PETER
	L			54	ω	8 SEBFF										s					Percentage	TAXABLE DISTRICTS	99 PETERBOROUGH ROAD
Building Value:	Functional: Economic: Temporary: Total Depreciation:	Market Cost New: Year Built: Condition For Age: AVERAGE Physical:	2014 BASE YEAR BUILDING VALUATION						TQF         3/4 STRY FIN         120           FFF         FST FLR FIN         120           SLB         SLAB         120	ID Description Area	BUILDING SUB AREA DETAILS	Sq. Foot Cost:	Size Adj: 1.0735 Base kate:  Bldg. Rate:	(	A/C: No	Extra Kitchens:	Bedrooms: 3 Baths: 2.0	Floor: CARPET/HARDWOOD Heat: ELECTRIC/RAD ELECT	Int: DRYWALL/WOOD/LOG	Roof: GABLE OR HIP/ASPHALT  Ext: AVERAGE	Model: 1.75 STORY CAPE	BUILDING DETAILS	GREENFIELD Printed:
\$ 114,200	20 %	\$ 142,781 1972 GE 20 %	VALUATION					728 2,164	1200 0.75 900 1264 1.00 1264 1264 0.00 0	a Adj. Effect.	DETAILS		Bldg. Rate: KSA 60.00		Generators:	Fireplaces:	Fixtures: 7	T	OG			ILS .	nted: 09/15/2014

OWNER INFORMATION		
THE ORNALION		PICTURE
885 FOREST RD 0	/2012 8421 0962 Q1 24 /2000 6298 1643 Q1 15 /1996 5723 0403 U190	e 215
GREENFIELD NH 03047	TOTAL STATE OF THE	P
LISTING HISTORY	NOTES	
KCVM V-SALE ERVE VERIFY SALE	BEIGE; ROW ACCESS ESMNT VIA LOT R4-42-1; SM POND ON PROP; VU INCL MTN & HILLSIDES; 4/09 DNPU 5X6 PUMPHOUSE; DNPU 22" VLT CEILING; 4/11 CU REM RECR DISC: 10/12 POSTED W/NOH: DW PART GRAVEL: 7/14:	
07/26/11 INSP MARKED FOR INSPECTION II 07/26/11 INSP MARKED FOR INSPECTION II 04/01/09 MSHR 07/21/06 DLUL 10/03/02 ETHR 05/07/02 LTRL	INFO FRM H.O. DNVI PER H.O.;	
EXT	EXTRA FEATURES VALUATION	MUNICIPAL SOFTWARE BY AVITAR
Feature Type         Units Lngth           SHED-WOOD         300         1:           PATIO         864         1:           FIREPLACE 1- STAND         1	Lngth x Width Size Adj     Rate     Cond     Market Value Notes       12 x 25     113     7.00     60     1,424       16 x 54     79     7.00     100     4,778       100     3,000.00     100     3,000 GAS	GREENFIELD ASSESSING OFFICE
	9,200	PARCEL TOTAL TAXABLE VALUE           Year         Building         Features         Land           2012         \$ 105,800         \$ 8,300         \$ 132,173           Parcel Total:         \$ 246,273           2013         \$ 105,800         \$ 8,300         \$ 131,940           Parcel Total:         \$ 246,040           Parcel Total:         \$ 246,040           Parcel Total:         \$ 207,784
	LAND VALUATION	
Zone: GRD Minimum Acreage: 2.00 Minimum Frontage:	rontage: 250	Site: GOOD Driveway: PAVED Road: PAVED
Units	NC Adj Site Road DWay Topography Cond Ad Valorem SPI R	
2.000 ac 2.450 ac	100 110 100 100 95 MILD 90 58,300 83 90 ROLLING 100 3,300	58,300 3,300
VIEW	WID	
19.950 ac	12	



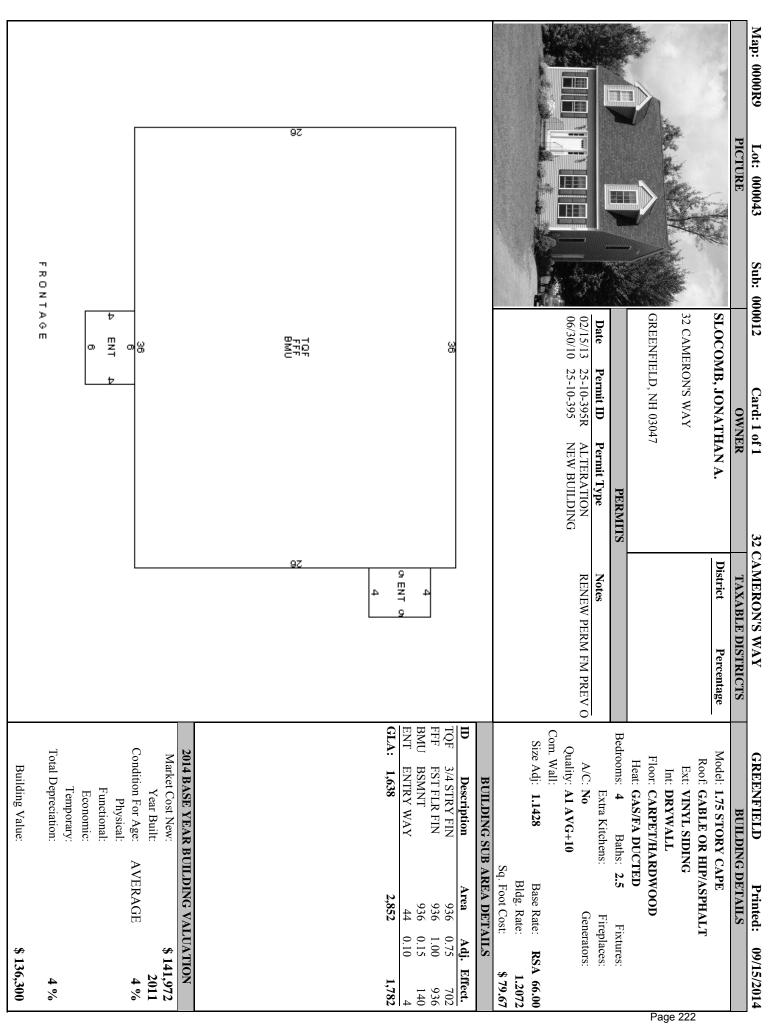
OWNER INFORMATION MAYER, PATRICK J	Date         Book         Page         Type         Price Grantor           12/28/2012         8510         2303         Q1         168,000         BROOKS, MARY M	PICTURE
264 FRANCESTOWN ROAD	5843 1238 UI 82	
GREENFIELD, NH 03047		
LISTING HISTORY	NOTES	
KCVM ERVM MSHR DLCL	GRY-1997 CONVERTED BARN INTO HOUSE; VU OF MONADNOCK 2 TIER 45+ DEGREE; 1/12 NOH, DNPU TENT GAR, LEAN-TO ATT SHED-NV, P/U NEW ROOF COVER; 7/14; N.O.H.; OLD CONC SLAB DNPU=N.V.;	
E	EXTRA FEATURES VALUATION	MUNICIPAL SOFTWARE BY AVITAR
Feature Type         Units Li           SHED-WOOD         160           SHED-WOOD         48           SHED-EQUIPMENT         384	Lngth x Width Size Adj         Rate         Cond         Market Value Notes           10 x 16         160         7.00         60         1,075           8 x 6         393         7.00         40         528           16 x 24         102         6.00         50         1,175 DRT FLR	GREENFIELD ASSESSING OFFICE
	2,800 20 2,800	PARCEL TOTAL TAXABLE VALUE           Year         Building         Features         Land           2012         \$ 127,000         \$ 4,000         \$ 128,700           Parcel Total:         \$ 259,700           2013         \$ 127,000         \$ 4,000         \$ 128,700           Parcel Total:         \$ 259,700           Parcel Total:         \$ 259,700           Parcel Total:         \$ 259,700
	LAND VALUATION	
Minimum Acreage: 2.00	ontage: 250	D
Units 2.000 ac 5.170 ac 7.170 ac	Adj         Site         Road         DWay         Topography         Cond         Ad           100         100         95         95         95 MILD         95           100         90 ROLLING         100         100           2ROW, TOP 25, DISTANT         90 ROLLING         100	SPI R Tax Value Notes  0 N 50,500 ACC 0 N 8,400 8,000 VU 66,900



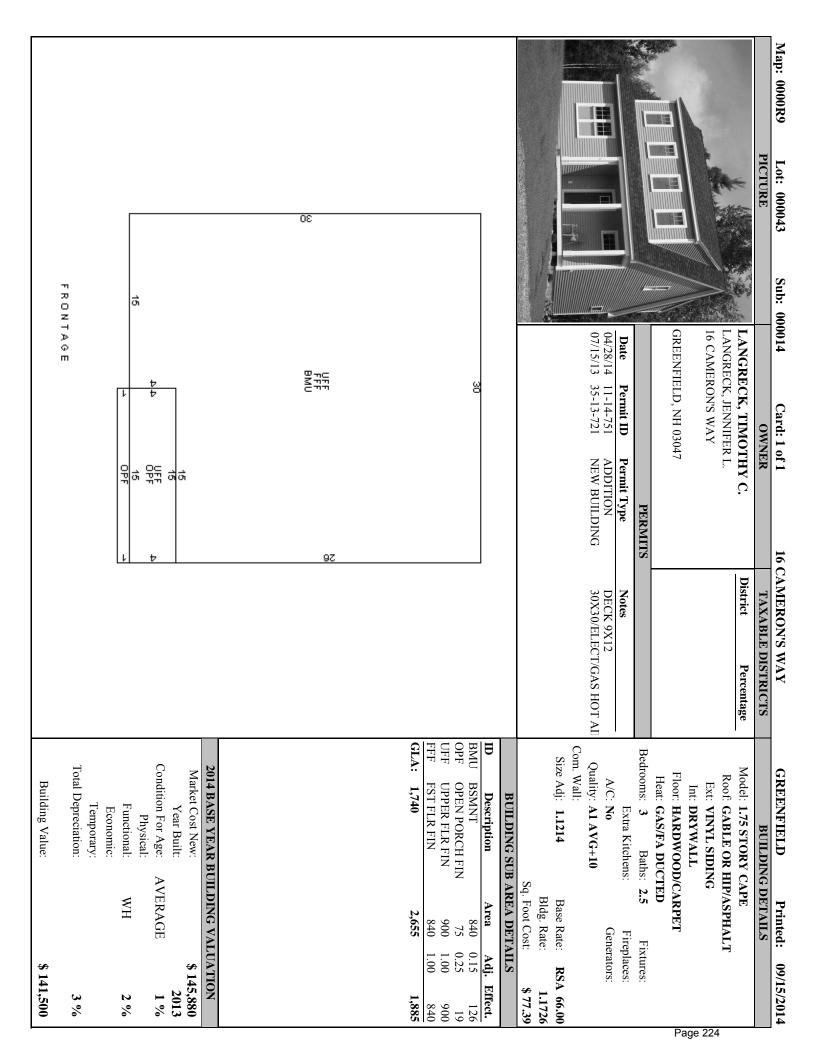
OWNER INFORMATION	Sub: 000000 Card: 1 of 1 62 FOREST ROAD SALES HISTORY	GREENFIELD Printed: 09/15/2014  PICTURE
OWNER INFORMATION	Date Book Page Type Price Grantor	FICIUNE
HEDNICH, EVOLV	7/2013 8543 0243 QI 25 7/1992 5362 0285 UI90	
62 FOREST ROAD	4543 0153 U146 2171 463 U182	
GREENFIELD, NH 03047		
LISTING HISTORY	NOTES	
07/15/14 KCVM V-SALE 03/22/11 ERPL 04/15/10 ERPM	WHITE; BARN HAS STABLES INSIDE; 1 FPL REM, P/U ATTIC ON GAR; 3/11 DNVI-XFOBS, TQF MEAS 18FT, 18X15 HAS RAD-WTR HEAT=FFF/PRS, P/U VLT, 9X9=INT ACC TO BSMNT; 7/14; N.O.H.; ROOF PART PREFAB METAL;	
	SOME EST=FENCED; DNPU CONC SLAB;	
E	EXTRA FEATURES VALUATION	MUNICIPAL SOFTWARE BY AVITAR
Feature Type Units Ln	Lngth x Width Size Adj Rate Cond Market Value Notes	GREENFIELD ASSESSING
BARN-2STRY 1,200 SHED-WOOD 180 TEAN-TO 440		OFFICE
1 STY/ATTIC 1. UIPMENT 1.	75 24.00 70 13,104 75 6.00 60 2,808	PARCEL TOTAL TAXABLE VALUE  Year Building Features Land
SHED-EQUIPMENT 64	8 x 8 310 6.00 20 238 TAN/WOOD STO	2012 \$ 135,700 \$ 26,700 \$ 74,412 Parcel Total: \$ 236,812
SHED-WOOD 52 SHED-WOOD 64	8 x 8 3 10 7.00 80 1,111 EST FENCE BEHIND BRN	2013 \$ 135,700
	27,800	2014 \$ 129,700 \$ 27,800 \$ 60,181 Parcel Total: \$ 217,681
	LAND VALUATION	
Zone: GRD Minimum Acreage: 2.00 Minimum	Minimum Frontage: 250	Site: AVERAGE Driveway: PAVED Road: PAVED
Land Type Units Base Rate NC	Adj Site Road DWay Topography Cond Ad Valorem	SPI R Tax Value Notes
1F RES       0.500 ac       58         FARM LAND       6.000 ac       x 1	NG 100 55,100 1	0 N 55,100 100 Y 2,040
THER 16.882 ac 3.000 ac	X 79 90 ROLLING 100 21,600 X 79 95 MILD 10 400	
	)W, TOP 25, CLOSE/NEAR 2,400	2,400
26.382 ac	oo l	

42	9Z FFF BMU	17 ∞ OPF 0	LICEONS	Map: 0000R9 Lot: 000039
	9Z 6 EPU 6	62 FOREST ROAD    GREENFIELD, NH 03047	HEDRICH, EVAN	Sub: 000000 Card: 1 of 1
		Notes  DEMO FIREPLACE & CHIIV 9X9 ADDITION 40X36 ADDITION TO GAR/	District Percentage	62 FOREST ROAD  TAXABLE DISTRICTS
Building Value:	2014 BASE YEAR BUILDING VALUATION  Market Cost New: \$ 170,0  Year Built: 19  Condition For Age: GOOD 24  Physical: Functional: Economic: Temporary: Total Depreciation: 24	EXI: CLAP BOARD Int: DRYWALL Floor: HARDWOOD/PII Heat: OIL/HOT WATE; Heat: OIL/HOT WATE; Bedrooms: 3 Baths: 2. Extra Kitchens: A/C: No Quality: A1 AVG+10 Com. Wall: Size Adj: 1.0419 ID Description TQF 3/4 STRY FIN BMU BSMNT VLT VAULTED PRS PIERS OPF OPEN PORCH FIN EPU COVERED BSMNT GLA: 2,142	Model: 1.75 STORY CAPE	GREENFIELD Printed
\$ 129,700	© VALUATION \$ 170,666 1920 DD 24 %	ASPHALI  R  O  Fixtures: 6  Fireplaces:  Generators:  Generators:  Foot Cost:  Foot Cost:  Foot DETAILS  Area  Area  Alj.  Effect.  832  0.75  624  1518  1.00  1518  1248  0.15  187  416  0.05  21  270  -0.05  -14  136  0.25  34  4,501  2,398		Printed: 09/15/2014

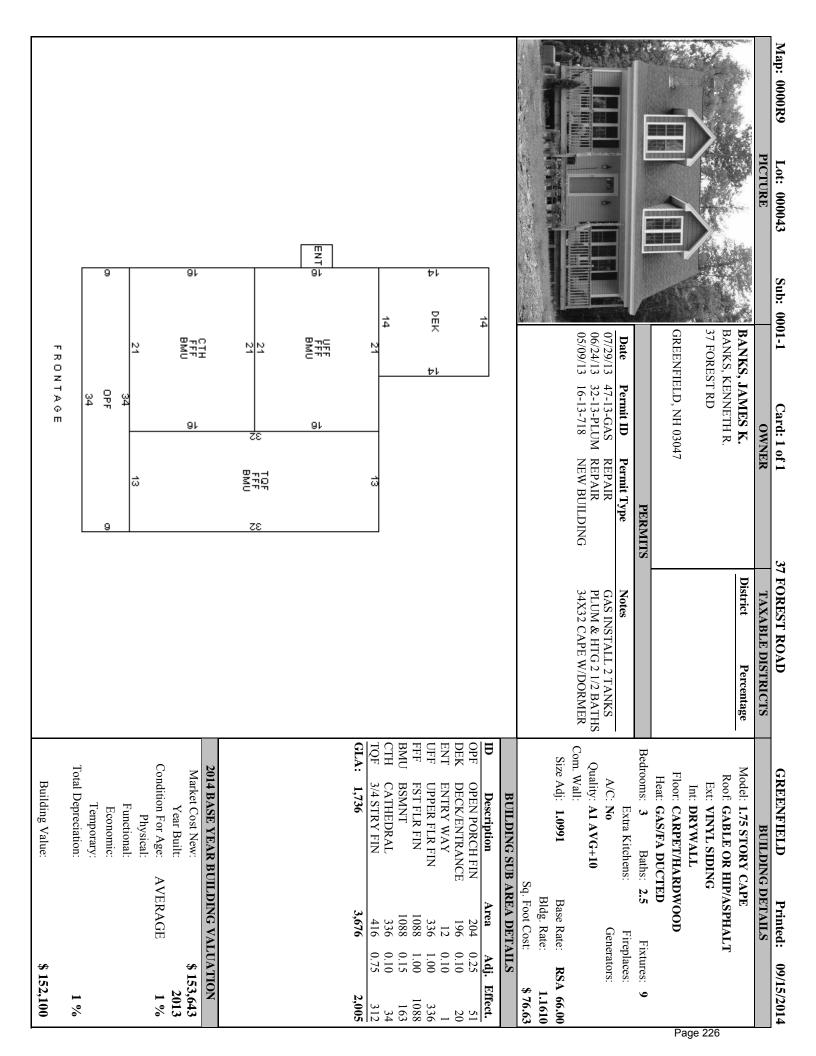
Zone: GRD Minimum Acreage: 2.00 Minimum Frontage:  Land Type Units Base Rate NC  1F RES 0.970 ac 59,880 F  0.970 ac	Units 1	Map: 0000R9 Lot: 000043 Sub: OWNER INFORMATION SLOCOMB, JONATHAN A.
250  Adj Site Road DWay Topography Cond Ad Valores 110 100 100 95 95 MILD 100 59,40  59,40	179,900 BELLETETES SOUTHFIELD	Card: 1 of 1 SALES I Book Page Type
Site: AVERAGE Driveway: GRAVEL/DIRT Road: PAVED         n SPI R Tax Value Notes         0 0 N 59,400         0 59,400	MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING  OFFICE  PARCEL TOTAL TAXABLE VALUE  Year Building Features Land 2012 \$100,600 Parcel Total: \$185,500  Parcel Total: \$238,200  Parcel Total: \$238,200  Parcel Total: \$238,200  Parcel Total: \$195,700	GREENFIELD Printed: 09/15/2014 PICTURE



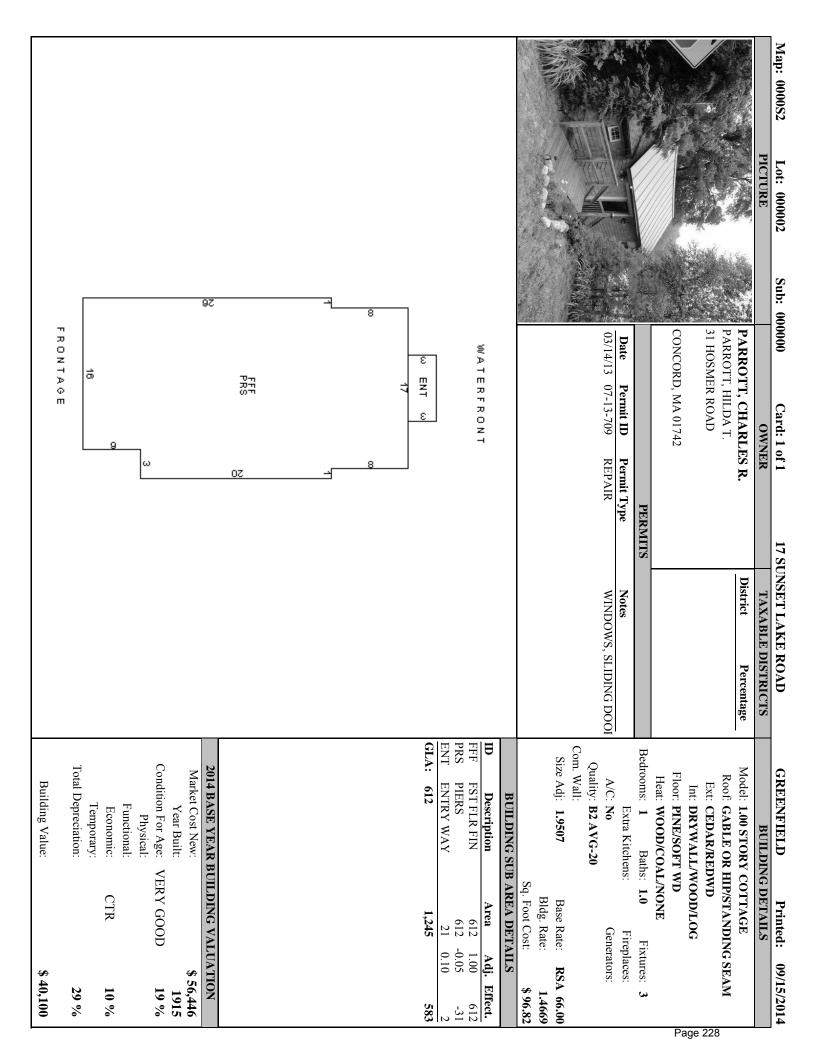
Zone: GRD         Minimum Acreage: 2.00         Minimum Frontage:           Land Type         Units         Base Rate         NC           1F RES         1.507 ac         61,014 F           1.507 ac         1.507 ac	Feature Type Units Lng		Map: 0000R9 Lot: 000043 Sub:
250  Adj Site Road DWay Topography Cond Ad Valorer 110 100 100 95 95 MILD 100 60,60 60,60	Units Lngth x Width Size Adj Rate Cond Market Value Notes	Date         Book         Page         Type         Price Grantor           03/26/2014         8648         0425         U V 40         35,000 BELLETETES SOUTHFIELD           03/26/2014         8648         0427         Q I         197,800 BALL DESIGN-BUILD, LLC           11/19/2012         8495         0856         U V 18         BROOKE LEASING & DEVLP           07/28/2009         8118         0767         U V 31         BROOKE LEASING & DEVLP           08/26/1982         2944         0548         U V 90         RYAN, EUNICE & JOHN           NOTES           TAN; 5/08 NEW LOT FM R9-43; LAND NC REFLECTS PRIVATE RD & OPEN           SPACE; 7/09 SLOPE & DRAINAGE ESMNT TO RYAN'S FARM; 3/14 NOH, P/U           NEW HSE, EST INT DATA & 100% COMPL, UFF W/ WH%=FULL REAR DORM           W/25' FRONT DORM SET 2' BACK FM FRONT WALL; CK 2015 FOR 12X9 REAR           DEK; 7/14; INFO FROM H.O. DNVI;	000014 Card: 1 of 1 16 CAMERON'S WAY  SALES HISTORY
Site: AVERAGE Driveway: GRAVEL/DIRT Road: PAVED         n SPI R Tax Value Notes         0 0 N 60,600         0 60,600	### Company of the Internal Control of the Internal Co	MUNICIPAL SOFTWARE BY AVITAR Page 223	GREENFIELD & Printed: 09/15/2014 PICTURE



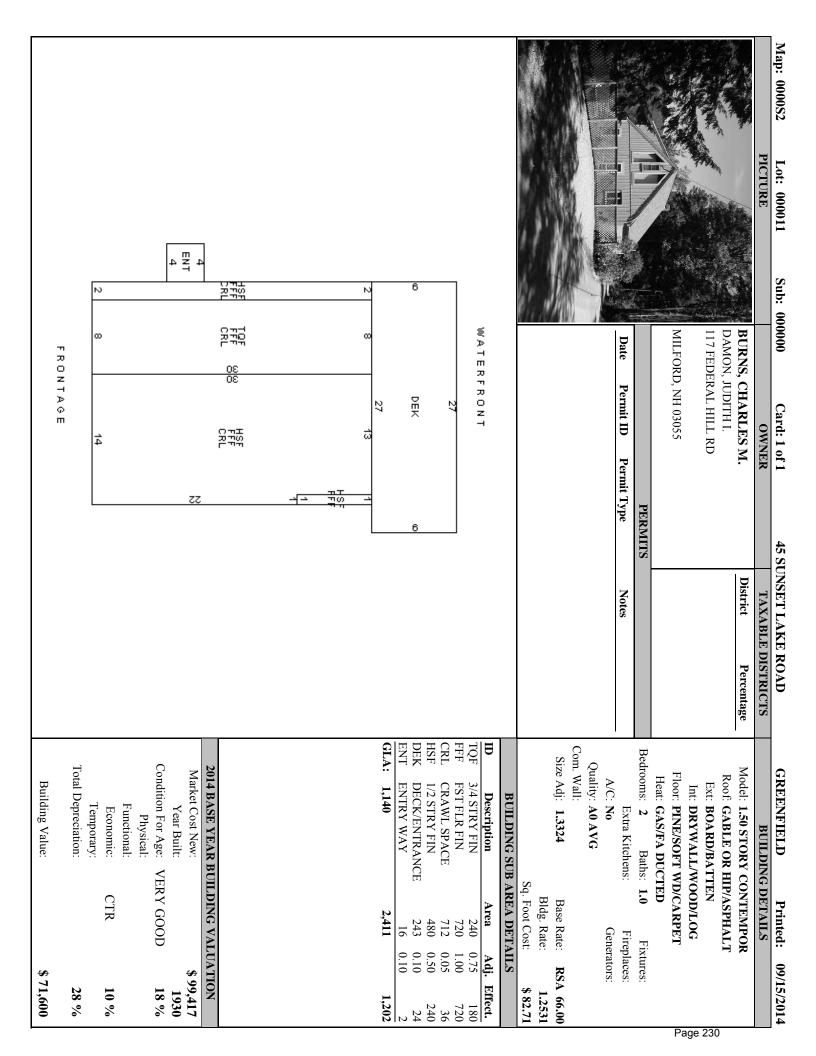
Zone: GRD   Minimum Acreage: 2.00   Minimum Frontage: Land Type   Units   Base Rate   NC    IF RES   2.000 ac   62,000   E    IF RES   0.496 ac   x 1,800   X    2.496 ac   2.496   ac	LISTING HISTORY   LISTING HISTORY	Map: 0000R9 Lot: 000043 Sub:  OWNER INFORMATION  BANKS, JAMES K.  BANKS, KENNETH R.  37 FOREST RD
250  Adj Site Road DWay Topography Cond Ad Valorer 100 100 100 95 95 MILD 100 56,00 100 90 ROLLING 100 56,80 56,80	NOTES	Date         Book         Page         Type         Price Grantor           04/29/2013         8553         1813         Q V         32,000         COUNTRY COMFORT
Site: AVERAGE Driveway: GRAVEL/DIRT Road: PAVED         n SPI R Tax Value Notes         0 0 N 56,000         0 0 N 800         0 56,800	MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING  OFFICE  PARCEL TOTAL TAXABLE VALUE  Year Building Features Land 2012 \$0 -\$61,000 \$61,000 Parcel Total: \$0  2013 \$0 \$0 \$0 \$61,000 Parcel Total: \$61,000 Parcel Total: \$61,000 Parcel Total: \$56,800 Parcel Total: \$209,100	GREENFIELD Printed: 09/15/2014 PICTURE



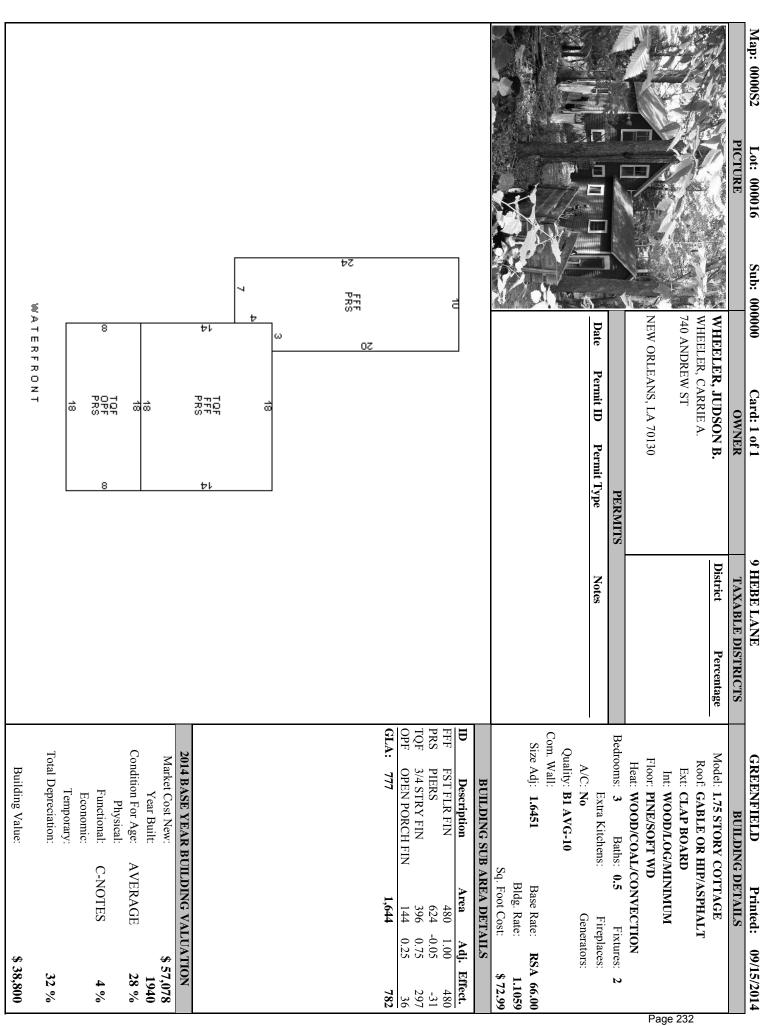
Map: 0000S2 Lot: 000002 Sub- OWNER INFORMATION	Sub: 000000 Card: 1 of 1 17 SUNSET LAKE ROAD  SALES HISTORY	GREENFIELD Printed: 09/15/2014 PICTURE
PARROTT, CHARLES R.	Book Page Type	
PARROTT, HILDA T.	04/18/2012 8417 2651 Q1 138,200 AMES, CHARLES & REBECC 07/21/2003 6997 1930 U199 AMES, CHARLES & REBECC	
31 HOSMER ROAD	6837 0398 UV31 PARRO 6531 0377 QV 5,000 PARRO	
CONCORD, MA 01742	09/03/1992 5366 1363 U146 PARROTTS RESTREALTY T	
LISTING HISTORY	NOTES	
02/04/13 ADVM 01/28/13 INSP MARKED FOR INSPECTION	6/08 SHARED WELL; HEAT=FIREPL; DNPU 4X5 SHED; DNPU 19X8 DOCK;       3/14 NOH, INT DATA EST PER RENO TOOK PLACE, EST FULL BTH,	
KMVL	DRYWALL, KITCH UPDATED, NEW ROOF, SIDING, SO	
05/29/08 INSP MARKED FOR INSPECTION 02/04/02 JRSR	PRS/SKIRTING, ADJ COND, CEDAR=SHAKES, CHIMNEY REMOVED, EST NO   HEAT; 4/12 SALE TO ABUTTER & RENO'S AFTER 4/12 SALE; 7/14; N.O.H.;	
н	EXTRA FEATURES VALUATION	MUNICIPAL SOFTWARE BY AVITAR
Feature Type Units L	Units Lngth x Width Size Adj Rate Cond Market Value Notes	GREENEIEID ASSESSING
		OFFICE         PARCEL TOTAL TAXABLE VALUE         Year       Building       Features       Land         2012       \$ 30,600       \$ 3,000       \$ 104,600         Parcel Total:       \$ 138,200         2013       \$ 30,600       \$ 3,000       \$ 104,600         Parcel Total:       \$ 138,200         2014       \$ 40,100       \$ 0       \$ 104,200         Parcel Total:       \$ 144,300
	LAND VALUATION	
Zone: SUNSET LAKE-VD Minimum Acreage: 2.00  Land Type Units Base Rate	Minimum Frontage: 250  NC Adi Site Road DWay Topography Cond Ad	Site: AVERAGE Driveway: GRAVEL/DIRT Road: GRAVEL/DIRT Valorem SPI R Tax Value Notes
0.480 ac	0 D 90 100 95 95 95 MILD 95	42,400
0.480 ac 1.000 wf <b>0.480 ac</b>	X 100 95 95 95 - MILD 95 1	N 42,400 N 61,800 <b>104,200</b>



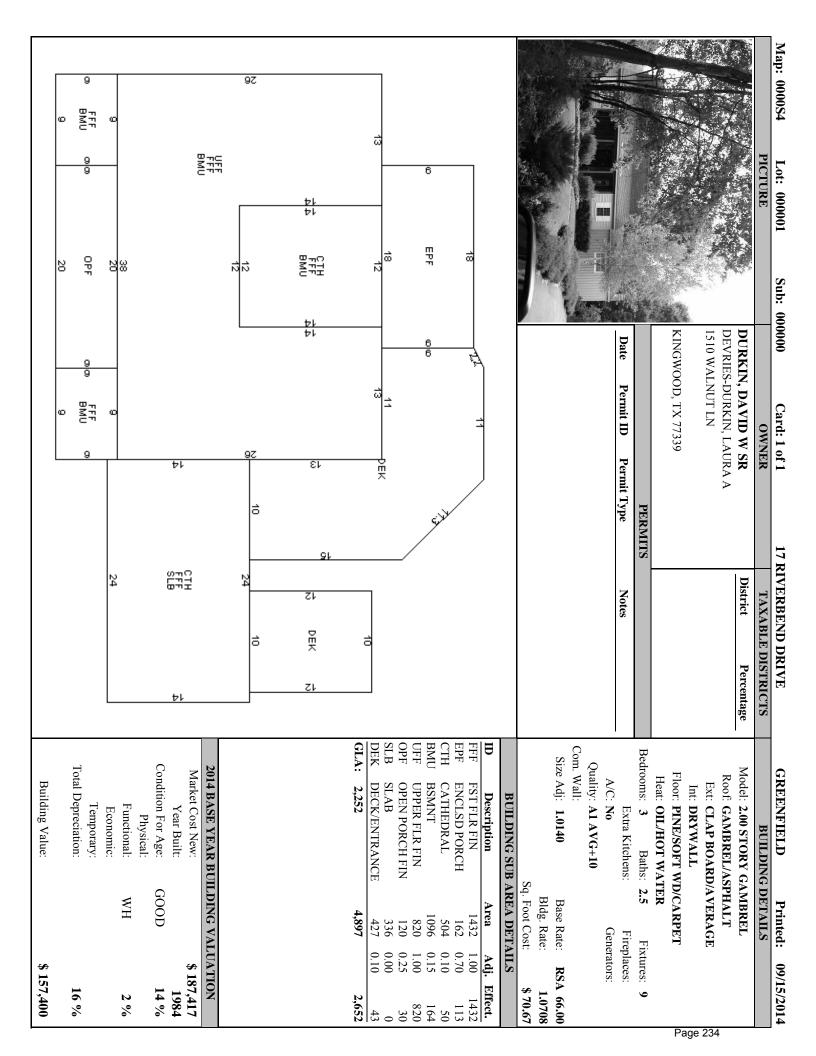
Map: 0000S2 Lot: 000011 Sub OWNER INFORMATION BURNS, CHARLES M. DAMON, JUDITH I. 117 FEDERAL HILL RD	Sub:     000000     Card: 1 of 1     45 SUNSET LAKE ROAD       SALES HISTORY       Date     Book     Page     Type     Price Grantor       07/23/2012     8449     2577     Q1     189,900     CLAIRE, JOYCE A TR. ET       11/28/2001     6531     0380     U V 45     7,500     PARROT, HILDA T.       12/09/1999     6189     0850     U I 99     CLAIRE, DOUGLAS & JOYC
MILFORD, NH 03055	04/29/1986 3509 0514 U182 JORDAN, JOHN & DOROTHY
LIST	
07/15/14 KCVM V-SALE 10/16/12 ERVM VERIFY SALE 09/19/06 MAIL 07/24/06 DLUM 02/04/02 JRSR 08/08/01 BXUL 04/11/01 SCDA	TAN; 93' FTG ON SUNSET LAKE; ROAD BISECTS LOT (RBL); ZONE = VILLAGE DISTRICT; 2001 ANNEXED .46 ACRES FM R4-5; DOCKS-DNPU; 10/12 NOH, TQF=8' REAR DORM, ADJ SKETCH, GREAT VU OF LAKE;
Feature Type Units L	EXTRA FEATURES VALUATION  Units Lngth x Width Size Adi Rate Cond Market Value Notes
S-STAND	7.00 70 5,000.00 100 7.00 60
	LAND VALUATION
Zone: SUNSET LAKE-VD Minimum Acreage:  Land Type Units Base R	Minimum Frontage: 250  NC Adj Site Road DWay Topography Cond
RFRNT 0.640 ac RFRNT 1.000 wf 0.640 ac	NC Adj Site Road DWay Topography 0 D 90 100 95 95 90 ROLLING 0 X 100



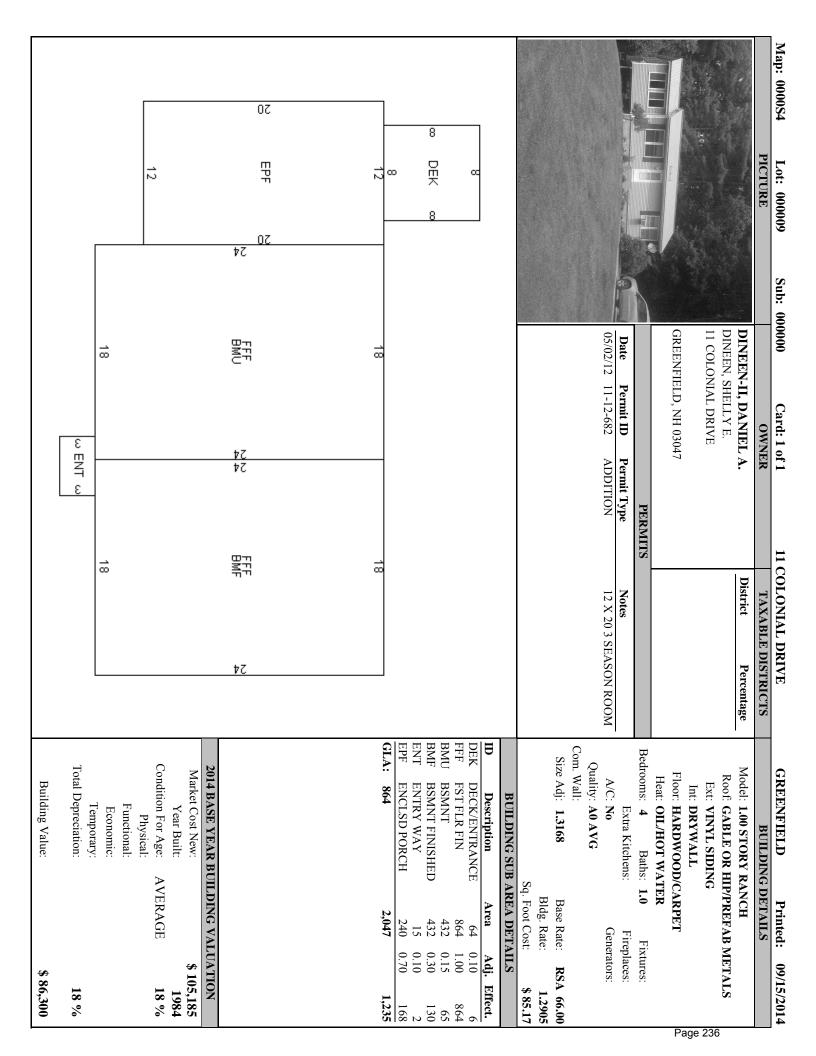
WHEELER, JUDSON B.	Sub	Book Page Type  O14 8644 1304 O1	PICTURE
WHEELER, CARRIE A. 740 ANDREW ST	02 6	7402	
NEW ORLEANS, LA 70130			
LISTING HISTORY		NOTES	
07/15/14 KCVL V-SALE 09/30/13 ADCL 02/04/13 ADVM 01/28/13 INSP MARKED FOR INSPECTION 05/13/02 LTRL 08/09/01 BXUM 04/11/01 SCDA		BRN; 100' FTG ON SUNSET LAKE; LOT BISECTED BY HEBE LANE; 2/13 NOH, EXT IN POOR COND, ADJ SKETCH, INT MEAS CHANGED BASED ON EXT MEAS; 9/13 KIT & INT MIN, ADDED FD FOR BDRM LAYOUT IN TQF & ONLY BTH IN SHED NEAR HSE, CORR HEAT; 7/14; MIN KIT, SHOWER REMOVED AFTER 3/14 SALE - PLANS TO REPLACE & ADD SINK - CK 2015;	Y Y
	EXTE	EXTRA FEATURES VALUATION	MUNICIPAL SOFTWARE BY AVITAR
Feature Type SHED-WOOD SHED-WOOD FIREPLACE 1- STAND	Units Lngth 192 12 120 10 1		- GREENFIELD ASSESSING OFFICE
FIREPLACE 1- STAND		100 3,000.00 100 3,000 5,800	PARCEL TOTAL TAXABLE VALUE         Year       Building       Features       Land         2012       \$ 48,300       \$ 7,800       \$ 107,200         Parcel Total:       \$ 163,300         2013       \$ 43,400       \$ 5,800       \$ 107,200         Parcel Total:       \$ 156,400         2014       \$ 38,800       \$ 5,800       \$ 107,500         Parcel Total:       \$ 152,100
		LAND VALUATION	
Zone: SUNSET LAKE-VD Minim Land Type U	Minimum Acreage: 2.00 Units Base Rate	Minimum Frontage: 250 Site: AVERAGE NC Adj Site Road DWay Topography Cond Ad Valorem SPI R	Site: AVERAGE Driveway: GRAVEL/DIRT Road: GRAVEL/DIRT Valorem SPI R Tax Value Notes
RFRNT (	ac wf	90 100 95 95 95 MILD 95 100 100 95 95 95 MILD 100 100 100 100 100 100 100 100 100 10	



Zone: RAD Minimum Acreage: 4.00 Minimum Frontage:  Land Type Units Base Rate NC  IF RES WTRFRNT 2.100 ac 62,150 D  2.100 ac		ETRE BXUM SCDA  Type Units I  E-1 STY 576 ACE 1- CUST 1  VOOD 363	TING HISTORY  V-SALE  MARKED FOR INSPECTION	DURKIN, DAVID W SR  DEVRIES-DURKIN, LAURA A 1510 WALNUT LN  KINGWOOD, TX 77339	Map: 0000S4
350  Adj Site Road DWay Topography Cond Ad Valorem Si 90 110 95 100 95 MILD 100 55,500 55,500	LAND VALUATION	Ingth x Width Size Adj   Rate   Cond   Market Value Notes	NOTES  BLU/GRY/WHT; MERGED W/LOT 2; 427' FTG ON CONTOOCOOK RIVER=GOOD SITE; 9X18 EPF=GLASS ENCLOSED SUNRM; NEW ADDITION BLT IN 1996; STONE FPL; PDS GAR ATTIC; 8/11 NO RECENT UPDATES; GRANITE KIT TOPS; CORRECTED BTH COUNT; WELL MAINT INT/EXT; 7/14; N.O.H.;	Date         Book         Page         Type         Price Grantor           11/16/2012         8494         2138         Q1         237,250 GOSS, JERRY E TRUSTEE           04/03/1997         5801         0400         U199         GOSS, JERRY & VICKI-LO	Card: 1 of 1
Site: GOOD Driveway: PAVED Road: GRAVEL/DIRT         PI R Tax Value Notes         0 N 55,500         55,500		MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING  OFFICE  PARCEL TOTAL TAXABLE VALUE  PARCEL TOTAL TAXABLE VALUE  Year Building Features Land 2012 \$172,900 \$16,600 \$77,800 Parcel Total: \$267,300  2013 \$172,900 \$16,600 \$77,800 Parcel Total: \$267,300  2014 \$157,400 \$14,100 \$55,500 Parcel Total: \$227,000		Page 233	GREENFIELD Printed: 09/15/2014

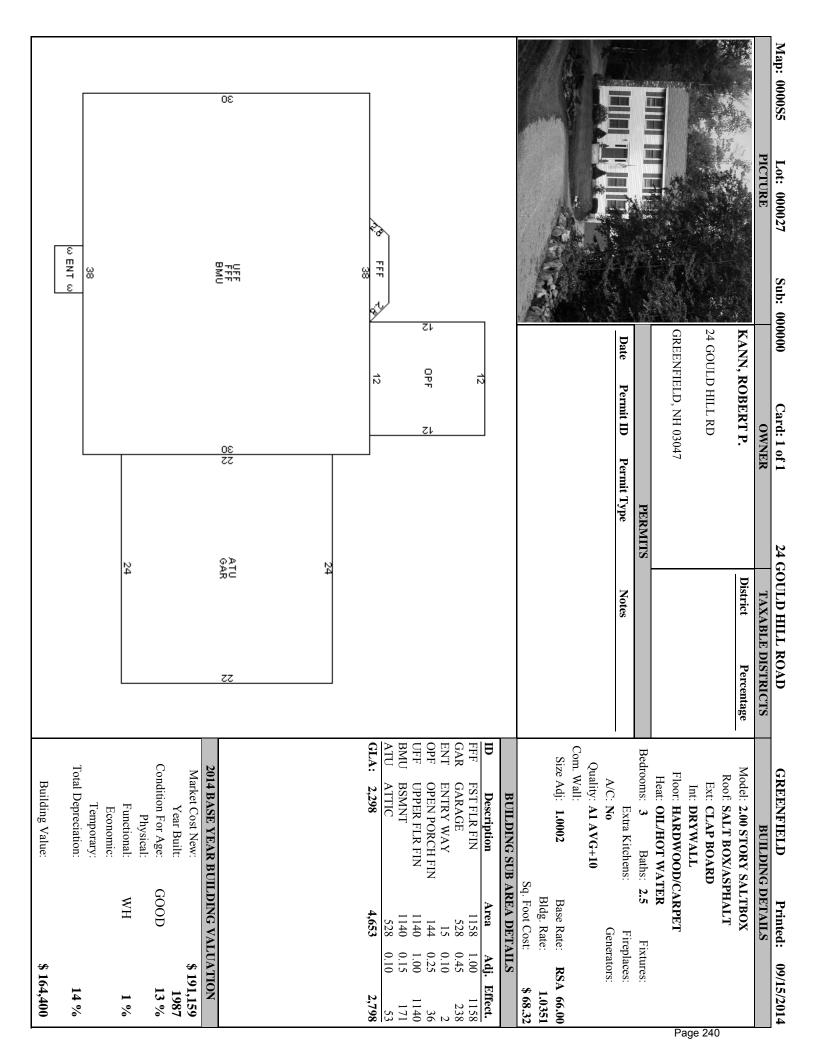


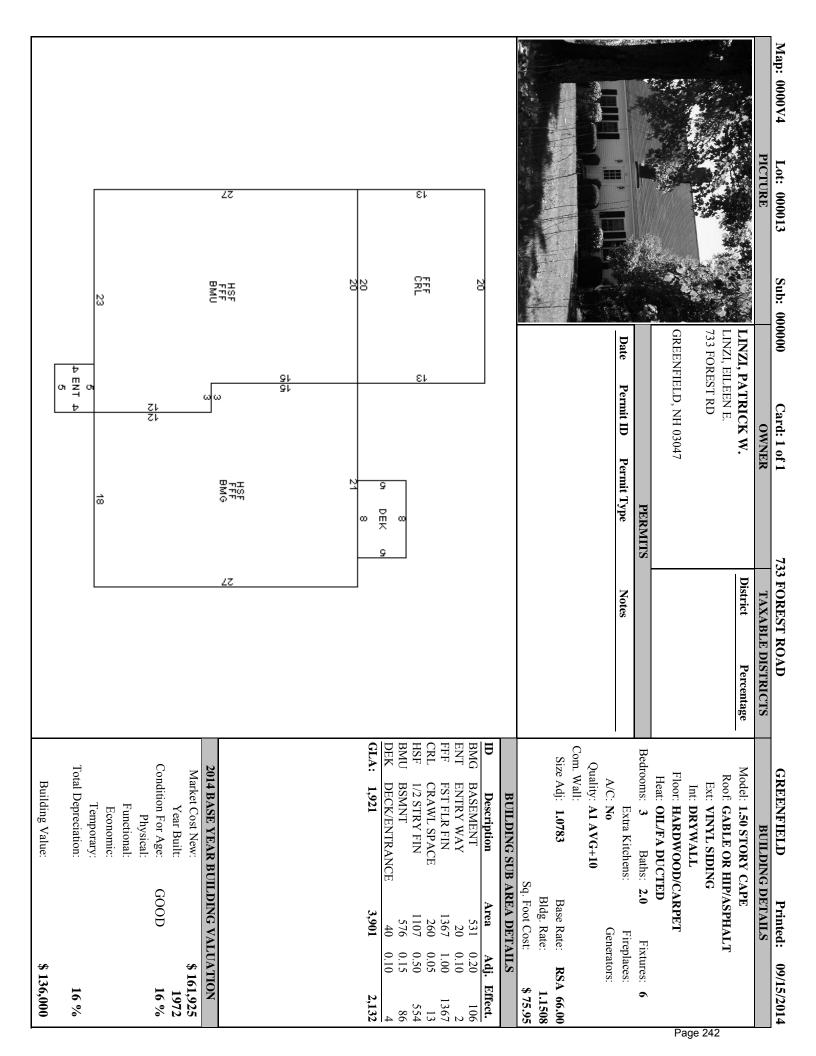
Zone: RAD Minimum Acreage: 4.00 Minimum Frontage: 350  Land Type Units Base Rate NC Adj Site  1.000 ac 60,000 D 90 100  1.000 ac	Feature Type Units Lngth x Width Size Adj SHED-WOOD 80 10 x 8 260	SPECTION	Map: 0000S4 Lot: 000009 Sub: 000000 Cε  OWNER INFORMATION
Road DWay Topography Cond Ad 95 95 95 MILD 100	Rate   Cond   Market Value   Notes	Date         Book         Page         Type         Price Grantor           03/24/2014         8647         1928         QI         148,000 HILBER, RALF U           04/20/1993         5424         0656         U182         NAN-MAR, INC.           02/22/1993         5410         1228         U137         NATIONAL MORTGAGE CO           NOTES           BLUE; 8/11 DNVI HO STATES HARDWD NOT PINE; NEW ROOF 2010; NO           RECENT UPDATES; 7/14; INFO FROM H.ODNVI PER H.O.;	Card: 1 of 1 11 COLONIAL DRIVE SALES HISTORY
Site: AVERAGE         Driveway: GRAVEL/DIRT Road: GRAVEL/DIRT           Valorem         SPI         R         Tax Value         Notes           46,300         0         N         46,300           46,300         46,300         46,300	### Comparison of Comparison o	MUNICIPAL SOFTWARE BY AVITAR Page 235	GREENFIELD Printed: 09/15/2014 PICTURE



Zone: GRD         Minimum Acreage:         2.00         Minimum Frontage:           Land Type         Units         Base Rate         NC           IF RES         2.000 ac         62,000 E           3.490 ac         x 1,800 X           5.490 ac	ALE  RKED FOR INSPECTION  EXT  Units Lng  1 100 96	Map: 0000S5         Lot: 000008         Sub: 000000           OWNER INFORMATION           SARGENT, JAMES A.         Date 10/11/2013 09/05/2002           15 LONGWOOD DRIVE         09/05/2002
250  Adj Site Road DWay Topography Cond Ad Valoren 100 100 100 95 85 MODERATE 100 50,10 100 50 SEVERE 100 3,10 53,20	NOTES   NOTES   GRY; 2X12 FLR JOIST; PERM STAIRCASE TO ATU; 6/10 NOH, WOB, NC TO EXT, 14X16 SCREENED, CORR PAT MEAS; 8/10 NO RECENT UPDATES, 7/14; N.O.H.; EXT COULD USE PAINT;   N.O.H.; EXT COULD USE PAINT;      EXTRA FEATURES VALUATION	Book         Page         Type         Price Grantor           013         8612         0503         Q1         193,000 MANSFIELD, KIMBERLY           002         6703         1264         Q1         181,000 GIBBONS, DANIEL & AIME
Site: AVERAGE Driveway: GRAVEL/DIRT Road: PAVED         n SPI R Tax Value Notes         0 0 N 50,100         0 0 N 3,100         0 53,200	MUNICIPAL SOFTWARE BY AVITAR  GREENFIELD ASSESSING  OFFICE  PARCEL TOTAL TAXABLE VALUE  Year Building Features Land 2012 \$171,900 \$5,300 \$76,000 Parcel Total: \$253,200  2013 \$171,900 \$5,300 \$76,000 Parcel Total: \$253,200  Parcel Total: \$253,200  Parcel Total: \$253,200  Parcel Total: \$253,200  Parcel Total: \$253,200	GREENFIELD Printed: 09/15/2014 PICTURE  237

\$ 142,400	Building Value:					
AVERAGE	Condition For Age: Physical: Functional: Economic: Temporary: Total Depreciation:		t	t OPF	34	
UILDING VALUATION \$ 165,631 1995	2014 BASE YEAR BUILDING VALUATION  Market Cost New: \$ 165,6  Year Built: 19					
		â				
		OPF tl	78 14	<u>- ** ** ** ** ** ** ** ** ** ** ** ** **</u>	ATU PFF ME	87
952 952 952 248 <b>4,056</b>	·   ·	16				
Area Adj. 952 0.10 952 1 00	ID Description ATU ATTIC  IJFF IJPPER FIR FIN				34	
Bldg. Rate: Sq. Foot Cost: BUILDING SUB AREA DETAILS	BUILDING SU					
Base Rate: RSA 66.00	Quality: A1 AVG+10 Com. Wall: Size Adj: 1.0676	DECK 14 X 16	ADDITION DE	08/30/04 261		į
	Extra Kitchens:	Notes				
ns: <b>2.5</b> Fixtures:	Bedrooms: 3 Baths:		PERMITS			
WD/CARPET ATER	Int: DRYWALL Floor: PINE/SOFT WD/CARPET Heat: OIL/HOT WATER		47	GREENFIELD, NH 03047		
HIP/ASPHALT )WD	Roof: GABLE OR HIP/ASPHALT Ext: CEDAR/REDWD			15 LONGWOOD DRIVE		1
COLONIAL	Model: 2.00 STORY COLONIAL	ict Percentage	Di	SARGENT, JAMES A.		
BUILDING DETAILS	BUILDIN	TAXABLE DISTRICTS		CWNER	PICTORE	





## Sales Analysis Results Greenfield -- 09/15/2014

	Sales Analys	sis Statistics	
Number of Sales:	3	Mean Sales Ratio:	0.9820
Minimum Sales Ratio:	0.9314	Median Sales Ratio:	0.9705
Maximum Sales Ratio:	1.0441	Standard Deviation:	0.0572
Aggregate Sales Ratio:	0.9782	Coefficient of Dispersion:	3.8716
		Price Related Differential:	1.0039

Building Value: 0 - 99999999 Bldg Eff. Area: 0 - 99999999

Land Value: 0 - 99999999 Land Use: ALL

Current Use CR: 0 - 99999999 Acres: 0 - 99999999

> Year Built: 1600 - 2014 Trend: 0% Prior to 10/1/2013

Story Height: ALL Neighborhood: ALL

Base Rate: ALL Zone: ALL

Qualified: YES Unqualified: NO

Improved: YES Vacant: NO

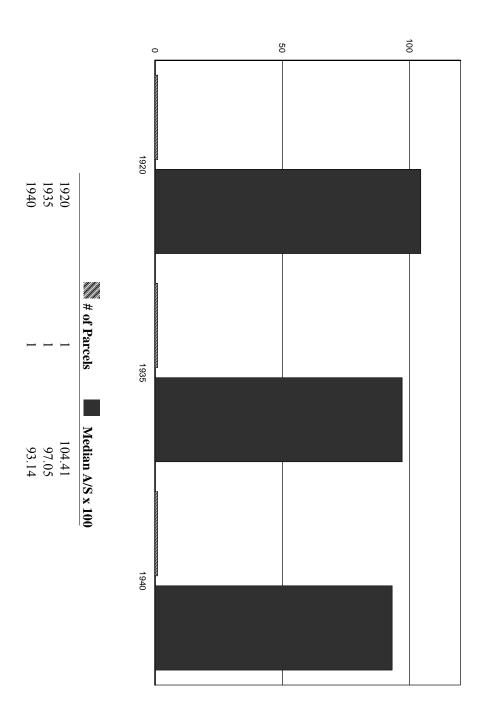
View: All Parcels Waterfront: Only With

Include Comm./Ind./Util.: YES

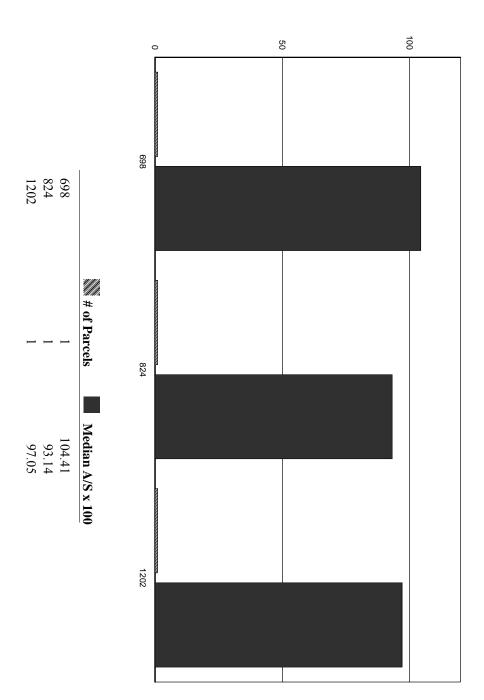
## **Greenfield Sales Analysis Report**

J \$ 156,400	ABBOTT, WILLIAM B. TRU	03/06/2014		782								
	Q	\$ 152,100 I Q	\$ 163,300	A C	) RS	I	0.931 0000S2 000016 000000 06 0.49 RIW D RSA C	06	000000	000016	0000S2	0.931
\$ 186,200	CLAIRE, JOYCE A TR. ET	07/23/2012		1,202								
	Q	\$ 184,300 I Q	\$ 189,900	АВ	) RS.	I	0.971 0000S2 000011 000000 06 0.64 RIW D RSA B	06	000000	000011	0000S2	0.971
\$ 138,200	AMES, CHARLES	04/18/2012		583								
	Q	\$ 144,300 I Q	\$ 138,200	A A	) RS	N I	1.044 0000S2 000002 000000 06 0.48 RIW D RSA .	06	000000	000002	0000S2	1.044
Prior Year Assessment	Grantor	Sale Date		Eff. Area								
	I Q Unqualified Description	Assessment I	Sale Price	BR SH		NC	Acres LC	Zone	Sub Zone	Lot	Map	Ratio

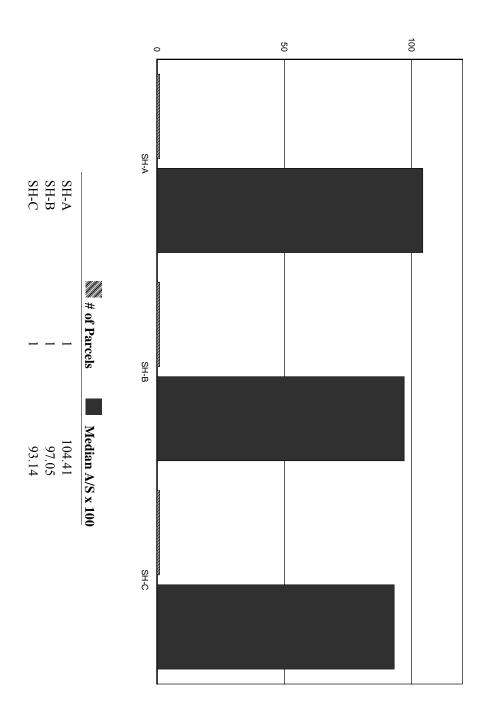
## Greenfield: Median A/S Ratio by Year of Construction



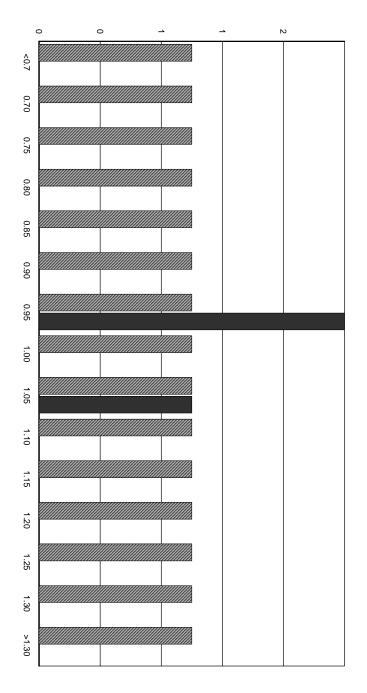
## Greenfield: Median A/S Ratio by Effective Area



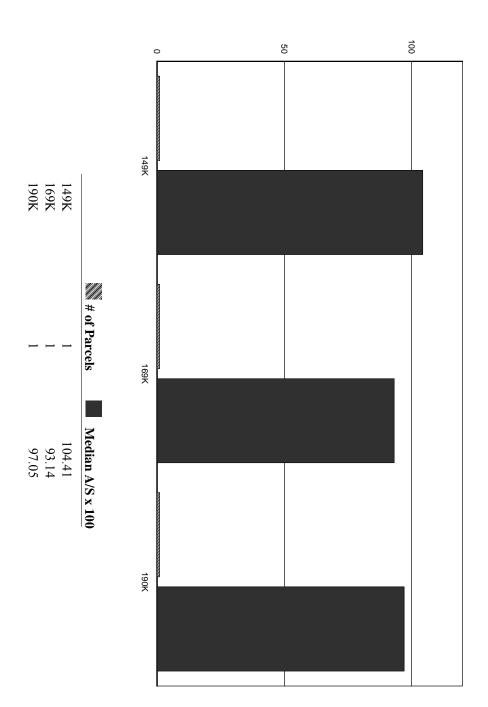
## Greenfield: Median A/S Ratio by Story Height



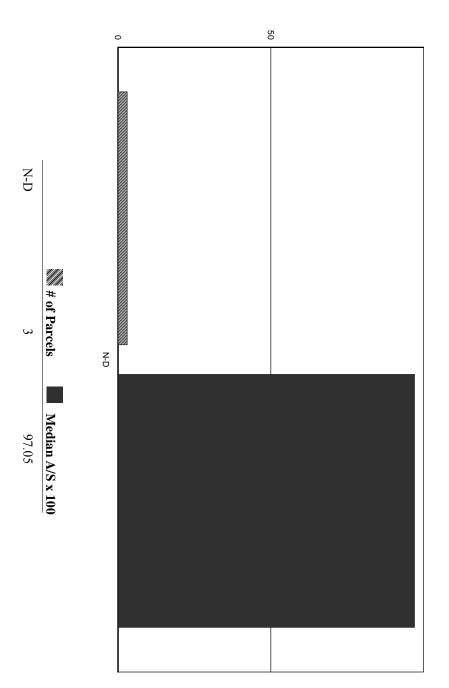
### **Greenfield:Distribution of Sale Ratios**



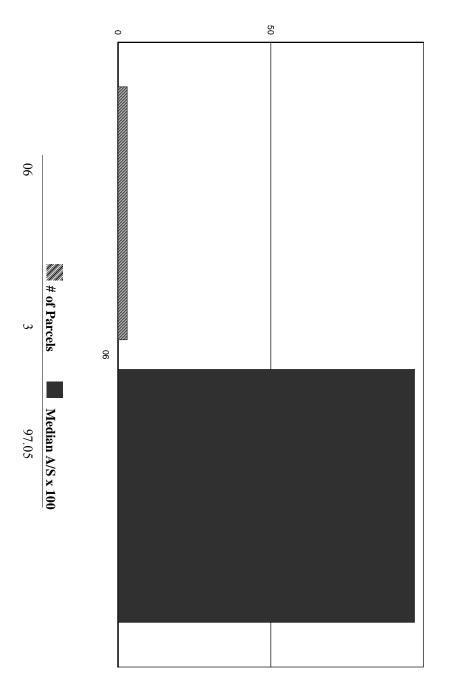
### Greenfield: Median A/S Ratio by Sale Price



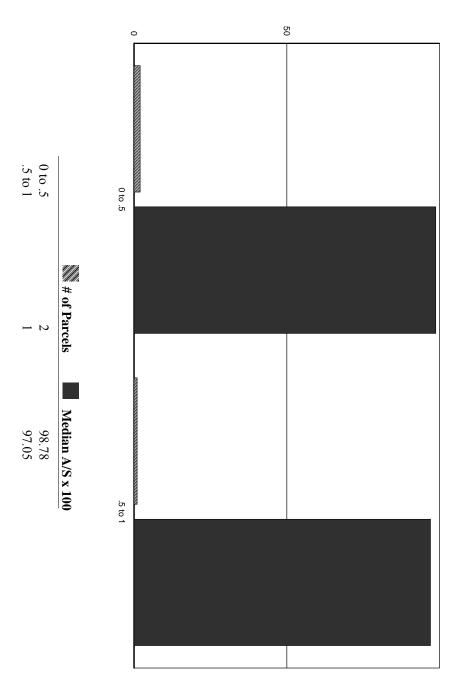
## Greenfield:Median A/S Ratio by Neighborhood



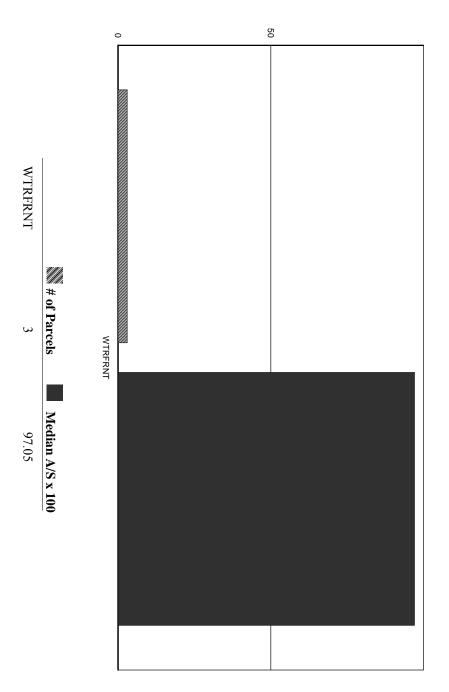
### Greenfield: Median A/S Ratio by Zone



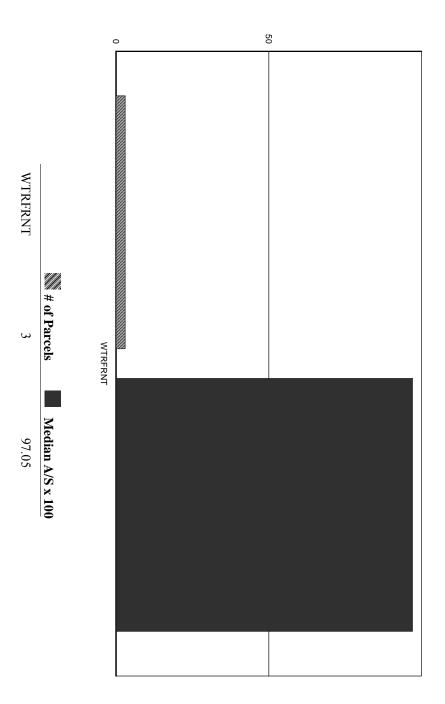
### Greenfield:Median A/S Ratio by Acreage



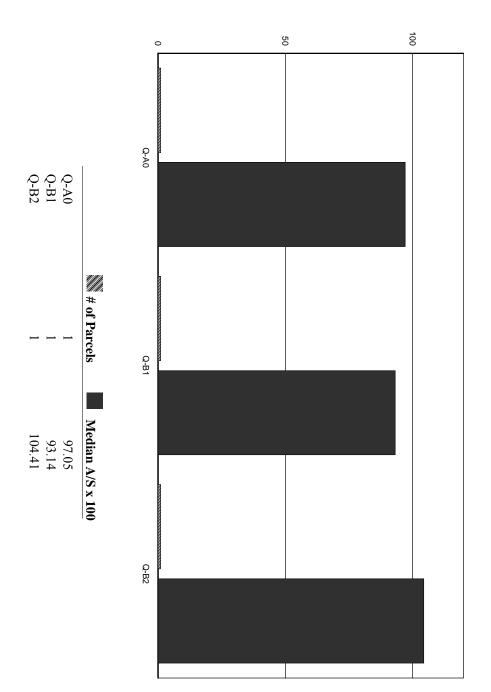
## Greenfield: Median A/S Ratio by Improved Use



# Greenfield: Median A/S Ratio for Views/Waterfront/Other



## Greenfield: Median A/S Ratio by Building Quality



### **SECTION 9**

### C. FINAL VALUATION COST TABLES

### **Land Pricing Zones**

Zone 01			
Description: E  Lot Size:  Frontage:	1.50 1.50	\$ 1,800 @ 0.010 ac \$ 48,000 @ 0.050 ac \$ 50,000 @ 0.100 ac \$ 56,000 @ 0.250 ac	
Lot Price: Excess Acreage: Excess Frontage:	\$ 61,000 \$ 1,800 \$ 80	\$ 58,000 @ 0.500 ac \$ 58,000 @ 0.500 ac \$ 59,000 @ 0.750 ac \$ 60,000 @ 1.000 ac \$ 61,000 @ 1.500 ac	
View:	\$ 80,000	\$ 61,000 @ 1.500 ac	

Zone 02			
Description: V	D	\$ 1,800 @	0.010 ac
Lot Size:	2.00	\$ 48,000 @	0.050 ac
Frontage:	250	\$ 50,000 @ \$ 56,000 @	0.100 ac 0.250 ac
Lot Price:	\$ 62,000	\$ 58,000 @	0.500 ac
Excess Acreage:	\$ 1,800	\$ 59,000 @	0.750 ac
Excess Frontage:	\$ 80	\$ 60,000 @ \$ 61,000 @	1.000 ac 1.500 ac
Water Frontage:	\$ 50,000	\$ 62,000 @	2.000 ac
View:	\$ 80,000		

	Zone 03			
Description: GRI Lot Size: Frontage: Lot Price: Excess Acreage: Excess Frontage: Water Frontage: View:	2.00 250 \$ 62,000 \$ 1,800 \$ 80 \$ 50,000 \$ 80,000	\$ 1,800 @ \$ 48,000 @ \$ 50,000 @ \$ 56,000 @ \$ 58,000 @ \$ 59,000 @ \$ 60,000 @ \$ 61,000 @ \$ 62,000 @	0.010 ac 0.050 ac 0.100 ac 0.250 ac 0.500 ac 0.750 ac 1.000 ac 1.500 ac 2.000 ac	

	Zone 04			
Description:		\$ 1,800 @ 0.010 ac \$ 48,000 @ 0.050 ac		
Lot Size: Frontage:	4.00 350	\$ 50,000 @ 0.100 ac \$ 56,000 @ 0.250 ac		
Lot Price:	\$ 65,000	\$ 58,000 @ 0.500 ac		
Excess Acreage: Excess Frontage:	\$ 1,800 \$ 60	\$ 60,000 @ 1.000 ac		
Water Frontage:	\$ 20,000	\$ 62,000 @ 2.000 ac \$ 65,000 @ 4.000 ac		
View:	\$ 80,000			

	Zone 05		
Description: II  Lot Size: Frontage: Lot Price: Excess Acreage: Excess Frontage:	2.00 150 \$ 62,000 \$ 1,800 \$ 80	\$48,000 @ 0.0 \$50,000 @ 0.0 \$56,000 @ 0.2 \$58,000 @ 0.3 \$59,000 @ 0.3 \$60,000 @ 1.0 \$61,000 @ 1.5	010 ac 050 ac 100 ac 250 ac 500 ac 000 ac 500 ac
View:	\$ 80,000	\$ 02,000 😅 2.0	,000 m

	Zone 06			
Description:	SUNSET LAKE-VD	\$ 1,800 @ 0.010 ac		
Lot Size:	2.00	\$ 48,000 @ 0.050 ac		
Frontage:	250	\$ 50,000 @ 0.100 ac \$ 56,000 @ 0.250 ac		
Lot Price:	\$ 62,000	\$ 58,000 @ 0.500 ac		
Excess Acreage:	\$ 1,800	\$ 59,000 @ 0.750 ac		
Excess Frontage:	\$ 80	\$ 60,000 @ 1.000 ac \$ 61,000 @ 1.500 ac		
Water Frontage:	\$ 65,000	\$ 62,000 @ 2.000 ac		
View:	\$ 80,000			

	Zone 07			
Description: Z  Lot Size: Frontage: Lot Price: Excess Acreage: Excess Frontage: Water Frontage: View:	ZEPHYR LAKE-GRD  2.00  250 \$ 62,000 \$ 1,800 \$ 80 \$ 30,000 \$ 80,000	\$ 1,800 @ \$ 48,000 @ \$ 50,000 @ \$ 56,000 @ \$ 58,000 @ \$ 59,000 @ \$ 60,000 @ \$ 61,000 @ \$ 62,000 @	0.010 ac 0.050 ac 0.100 ac 0.250 ac 0.500 ac 0.750 ac 1.000 ac 1.500 ac 2.000 ac	

	Zone 08				
Description:	CRREC CROTCHED MTN	\$ 1,800 @ 0.010 ac			
Lot Size:	2.00	\$ 48,000 @ 0.050 ac			
Frontage:	250	\$ 50,000 @ 0.100 ac \$ 56,000 @ 0.250 ac			
Lot Price:	\$ 62,000	\$ 58,000 @ 0.500 ac			
Excess Acreage:	\$ 1,800	\$ 59,000 @ 0.750 ac			
Excess Frontage:	\$ 80	\$ 60,000 @ 1.000 ac \$ 61,000 @ 1.500 ac			
Water Frontage:	\$ 65,000	\$ 62,000 @ 2.000 ac			
View:	\$ 80,000				

Zone 11			
Description:	WHITTEMORE LAKE-GRD	\$ 1,800 @ 0.010 ac	
Lot Size:	2.00	\$ 48,000 @ 0.050 ac \$ 50,000 @ 0.100 ac	
Frontage: Lot Price:	250 \$ 62,000	\$ 56,000 @ 0.250 ac \$ 58,000 @ 0.500 ac	
Excess Acreage:	\$ 1,800	\$ 59,000 @ 0.750 ac	
Excess Frontage:	\$ 80	\$ 60,000 @ 1.000 ac \$ 61,000 @ 1.500 ac	
Water Frontage:	\$ 50,000	\$ 62,000 @ 2.000 ac	
View:	\$ 80,000		

	Zone 12					
Description:	OTTER LAKE-VD		\$ 1,800	<u>@</u>	0.010 ac	
Lot Size:	2.00		,	@	0.050 ac	
Frontage:	250		\$ 50,000 \$ 56,000	-	0.100 ac 0.250 ac	
Lot Price:	\$ 62,000		\$ 58,000	_	0.500 ac	
Excess Acreage:	\$ 1,800		\$ 59,000	-	0.750 ac	
Excess Frontage:	\$ 80		,	@ @	1.000 ac 1.500 ac	
Water Frontage:	\$ 120,000		. ,	<u>a</u>	2.000 ac	
View:	\$ 80,000					

Zone 13		
Description:	ZEPHYR LAKE-VD	\$ 1,800 @ 0.010 ac
Lot Size:	2.00	\$ 48,000 @ 0.050 ac
Frontage:	250	\$ 50,000 @ 0.100 ac \$ 56,000 @ 0.250 ac
Lot Price:	\$ 62,000	\$ 58,000 @ 0.500 ac
Excess Acreage:	\$ 1,800	\$ 59,000 @ 0.750 ac
Excess Frontage:	\$ 80	\$ 60,000 @ 1.000 ac \$ 61,000 @ 1.500 ac
Water Frontage:	\$ 30,000	\$ 62,000 @ 2.000 ac
View:	\$ 80,000	

	Land Use Codes
Code	Description
79D	79-D HISTORIC BARN
79F	79-F FARM STRUCT
CI	COM/IND
EX-F	EXEMPT-FED
EX-G	EXEMPT-GRAVEL EXCAV
EX-M	EXEMPT-MUNIC
EX-P	EXEMPT-PILT
EX-S	EXEMPT-STATE
R1	1F RES
R1A	1F RES WTR ACS
R1W	1F RES WTRFRNT
R2	2F RES
R2A	2F RES WTR ACS
R2W	2F RES WTRFRNT
R3	3F RES
R3A	3F RES WTR ACS
R3W	3F RES WTRFRNT
R4	4F RES
R4A	4F RES WTR ACS
R4W	4F RES WTRFRNT
UTL	UTILITY-OTHER
UTLE	UTILITY-ELEC
UTLG	UTILITY-GAS
UTLW	UTILITY-WATER

	Neighborhoods					
Code	Adjustment	Factor				
A	AVERAGE-40	60				
В	AVERAGE-30	70				
C	AVERAGE-20	80				
D	AVERAGE-10	90				
E	AVERAGE	100				
F	AVERAGE+10	110				
G	AVERAGE+20	120				
Н	AVERAGE+30	130				
I	AVERAGE+40	140				
J	AVERAGE+50	150				
K	AVG +60 160%	160				
L	AVG +70 170%	170				
M	AVG +80 180%	180				
N	AVG +90 190%	190				
P	AVG +100 200%	200				
Q	SPECIAL 225%	225				
R	SPECIAL 250%	250				
S	SPECIAL 275%	275				
T	SPECIAL 300%	300				
X	BACKLAND	100				

Site Modifiers				
Code	Description	Factor		
A	AVERAGE	100		
F	FAIR	95		
G	GOOD	110		
NAT	NATURAL	95		
P	POOR	90		
U	UNDEVELOPED	65		
UC	UNDEV CLEAR	70		
Y	VERY GOOD	125		

<b>Topography Modifiers</b>					
Code	Description	Factor			
A	LEVEL	100			
В	MILD	95			
C	ROLLING	90			
D	MODERATE	85			
E	STEEP	70			
F	SEVERE	50			

Road Modifiers					
Code	Description	Factor			
G	GRAVEL/DIRT	95			
K	UNDEVELOPED	75			
P	PAVED	100			

	Driveway Modifiers				
Code	Description	Factor			
G	GRAVEL/DIRT	95			
K	UNDEVELOPED	95			
N	NATURAL/GRASS	95			
P	PAVED	100			

	Current Us	se Codes	
Code	Description	Min. Value	Max. Value
CUFL	FARM LAND	\$ 25.00	\$ 425.00
CUMH	MNGD HARDWD	\$ 24.00	\$ 36.00
CUMO	MNGD OTHER	\$ 18.00	\$ 27.00
CUMW	MNGD PINE	\$ 63.00	\$ 95.00
CUUH	UNMNGD HARDWD	\$ 40.00	\$ 61.00
CUUL	UNPRODUCTIVE	\$ 18.00	\$ 18.00
CUUO	UNMNGD OTHER	\$ 30.00	\$ 45.00
CUUW	UNMNGD PINE	\$ 105.00	\$ 158.00
CUWL	WETLANDS	\$ 18.00	\$ 18.00

View Subjects			
Code	Description	Factor	
HLS	HILLS	50	
LMT	LAKES & MOUNTAINS	100	
LAK	LAKES/PONDS	50	
MTS	MOUNTAINS	100	
PST	PASTORAL	25	

View Depths				
Code	Description	Factor		
D100	FULL 100%	100		
D25	TOP 25	25		
D50	TOP 50	50		
D75	TOP 75	75		

View Widths				
Code	Description	Factor		
AVE	AVERAGE	75		
NAR	NARROW	40		
PAN	PANORAMIC	150		
TUN	TUNNEL	15		
WID	WIDE	100		

View Distances					
Code	Description	Factor			
CLS	CLOSE/NEAR	50			
DST	DISTANT	100			
EXT	EXTREME DISTANT	125			

Greenfield

Land Area Size Adjustment Factors

Acres	Adj.								
10	91.00	31	76.00	52	66.00	73	58.00	94	52.00
11	90.00	32	76.00	53	65.00	74	57.00	95	51.00
12	89.00	33	75.00	54	65.00	75	57.00	96	51.00
13	88.00	34	75.00	55	65.00	76	57.00	97	51.00
14	88.00	35	74.00	56	64.00	77	56.00	98	51.00
15	87.00	36	74.00	57	64.00	78	56.00	99	50.00
16	86.00	37	73.00	58	63.00	79	56.00	100	50.00
17	85.00	38	72.00	59	63.00	80	56.00		
18	85.00	39	72.00	60	63.00	81	55.00		
19	84.00	40	71.00	61	62.00	82	55.00		
20	83.00	41	71.00	62	62.00	83	55.00		
21	83.00	42	70.00	63	61.00	84	54.00		
22	82.00	43	70.00	64	61.00	85	54.00		
23	81.00	44	69.00	65	61.00	86	54.00		
24	81.00	45	69.00	66	60.00	87	53.00		
25	80.00	46	68.00	67	60.00	88	53.00		
26	79.00	47	68.00	68	60.00	89	53.00		
27	79.00	48	68.00	69	59.00	90	53.00		
28	78.00	49	67.00	70	59.00	91	52.00		
29	78.00	50	67.00	71	58.00	92	52.00		
30	77.00	51	66.00	72	58.00	93	52.00		

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Description	Rate	DPR
79-D HISTORIC BARN	0.00 sf	0.00
79-F FARM STRUCTURE	0.00 sf 15.00 sf	0.00 40.00
BARN-1STRY BARN-1STRY/BSMT	13.00 sf	40.00
BARN-1STRY/LOFT	18.00 sf	40.00
BARN-1STRY/LOFT/BSMT	21.00 sf	40.00
BARN-2STRY	19.00 sf	40.00
BARN-2STRY/BSMNT	20.00 sf	40.00
BARN-2STRY/LOFT	21.00 sf	40.00
BARN-2STY/LOFT/BSMT	23.00 sf	0.00
BATH HOUSE	20.00 sf 10.00 sf	50.00
BOAT DOCK BOAT HOUSE	30.00 sf	75.0
CABANA	30.00 sf	0.0
CABIN	25.00 sf	75.0
CAMPER	20.00 sf	0.0
CANOPY	23.00 sf	75.0
CARPORT METAL	8.00 sf	50.0
CARPORT WOOD	11.00 sf	50.0
COLD STORAGE	45.00 sf	0.0
CONCRETE SLAB	3.00 sf	0.0
COOPS-POULTRY	11.00 sf	40.0 50.0
DECK ELEVATOR/FREIGHT	7.00 sf 30,000.00 ea	50.0 0.0
ELEVATOR/PASSENGER	40,000.00 ea	0.0
FENCE COMMERCIAL/FT	15.00 sf	75.0
FIREPLACE 1- CUST	5,000.00 ea	100.0
FIREPLACE 1- STAND	3,000.00 ea	100.0
FIREPLACE 2- CUST	8,500.00 ea	100.0
FIREPLACE 2- STAND	5,000.00 ea	100.0
FIREPLACE 3- CUST	12,000.00 ea	100.0
FIREPLACE 3- STAND	6,500.00 ea	100.0
FIREPLACE 4-CUST FIREPLACE 4-STAND	15,000.00 ea 8,000.00 ea	0.0 0.0
FIREPLACE 4-STAND FIREPLACE-5 CUST	17,500.00 ea	0.0
FIREPLACE-5 STAND	9,500.00 ea	0.0
FIREPLACE-6 CUST	19,000.00 ea	0.0
FIREPLACE-6 STAND	11,000.00 ea	0.0
FOUNDATION	10.00 sf	60.0
GARAGE-1 STY	22.00 sf	60.0
GARAGE-1 STY/ATTIC	24.00 sf	60.0
GARAGE-1 STY/BSMT	31.00 sf	60.0
GARAGE-1.5 STY GARAGE-1.5 STY/BSMT	26.00 sf 35.00 sf	60.0 60.0
GARAGE-1.75 STY	27.00 sf	0.0
GARAGE-1.75 STY/BSMT	36.00 sf	0.0
GARAGE-2 STY	28.00 sf	60.0
GARAGE-2 STY/BSMT	37.00 sf	0.0
GARAGE-ATTIC/BSMT	33.00 sf	0.0
GAZEBO	12.00 sf	75.0
GENERATOR	0.00 ea	0.0
GREENHOUSE-GLASS	24.00 sf	75.0
GREENHOUSE-POLY	5.00 sf 1,500.00 ea	75.0 0.0
HEARTH HOT TUB	1,500.00 ea	0.0
KENNELS	12.00 sf	50.0
LEAN-TO	4.00 sf	50.0
LIFTS-COMMERCIAL	2,800.00 ea	60.0
LIGHTS-PARKING LOT	1,500.00 ea	0.0
LOADING DOCKS	35.00 sf	0.0
PATIO	7.00 sf	50.0
PAVING	3.25 sf	60.0
POLE BARN POOL-ABOVE GROUND	8.00 sf 6.00 sf	0.0 60.0
POOL-ABOVE GROUND POOL-ENCLOSED	30.00 sf	0.0
POOL-INGRND-GUNITE	33.00 sf	60.0
POOL-INGRND-VINYL	28.00 sf	60.0
PORCH	10.00 sf	0.0
PUMP-GAS/OIL-DOUBLE	3,500.00 ea	75.0
PUMP-GAS/OIL-MIXING	2,500.00 ea	75.0
PUMP-GAS/OIL-SINGLE	1,600.00 ea	75.0
RIDING ARENA	18.00 sf	0.0
SAUNA SCALE 40 TON	28.00 sf	50.0
	43,000.00 ea	0.0

Description	Rate	DPR
SCALE 50 TON	48,700.00 ea	0.00
SCALE 60 TON	55,000.00 ea	0.00
SCALE 70 TON	63,500.00 ea	0.00
SCREENHOUSE	14.00 sf	50.00
SHED-EQUIPMENT	6.00 sf	0.00
SHED-METAL	5.00 sf	60.00
SHED-WOOD	7.00 sf	60.00
SHOP-AVG	18.00 sf	60.00
SHOP-EX	25.00 sf	0.00
SHOP-GOOD	21.00 sf	0.00
SILO-BRICK	32.00 sf	0.00
SILO-CONCRETE	27.00 sf	40.00
SILO-STEEL	32.00 sf	40.00
SILO-WOOD	22.00 sf	40.00
SPRINKLER SYSTEMS	150.00 ea	75.00
STABLES	18.00 sf	50.00
TANK-FUEL/WATER	3.00 sf	0.00
TENNIS COURT(S)	18,000.00 ea	50.00
VAULTS	110.00 sf	75.00

Greenfield
Features & Outbuildings Size Adjustment Factors

Area	Adj.	Area	Adj.	Area	Adj.	Area	Adj.	Area	Adj.
	4.00	165	1.57	285	1.16	495	0.92	1,885	0.68
50	3.80	170	1.54	290	1.15	510	0.91	2,135	0.67
55	3.51	175	1.51	295	1.14	525	0.90	2,465	0.66
60	3.27	180	1.49	300	1.13	545	0.89	2,910	0.65
65	3.06	185	1.46	305	1.12	565	0.88	3,560	0.64
70	2.89	190	1.44	315	1.11	585	0.87	4,575	0.63
75	2.73	195	1.42	320	1.10	605	0.86	6,405	0.62
80	2.60	200	1.40	325	1.09	630	0.85	10,670	0.61
85	2.48	205	1.38	330	1.08	655	0.84	32,000	0.60
90	2.38	210	1.36	340	1.07	685	0.83		
95	2.28	215	1.34	345	1.06	715	0.82		
100	2.20	220	1.33	355	1.05	745	0.81		
105	2.12	225	1.31	360	1.04	785	0.80		
110	2.05	230	1.30	370	1.03	825	0.79		
115	1.99	235	1.28	380	1.02	865	0.78		
120	1.93	240	1.27	390	1.01	915	0.77		
125	1.88	245	1.25	400	1.00	970	0.76		
130	1.83	250	1.24	410	0.99	1,035	0.75		
135	1.79	255	1.23	420	0.98	1,105	0.74		
140	1.74	260	1.22	430	0.97	1,190	0.73		
145	1.70	265	1.20	440	0.96	1,280	0.72		
150	1.67	270	1.19	455	0.95	1,395	0.71		
155	1.63	275	1.18	465	0.94	1,525	0.70		
160	1.60	280	1.17	480	0.93	1,685	0.69		

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Building Base Rate Codes & Values				
Code	Description	Stand. Dpr.	Rate	SA
CBB	INN/ BED&BREAKFAST	1.00	90.00	COM
CGS	GARAGE/SERVICE SHOP	1.50	33.00	COM
CHS	RES HOUSING	1.25	68.00	RES
CMX	MIXED USE	1.00	78.00	COM
COF	OFFICES	1.00	78.00	COM
COR	OFFICE/APTS	1.25	70.00	COM
CPO	POST OFFICE	1.00	78.00	COM
CRR	RETAIL/APTS	1.25	70.00	COM
CSM	SAW MILL	1.50	25.00	COM
CSV	CONVENIENCE STORES	1.25	64.00	COM
CUT	UTILITY BLDG	1.00	152.00	COM
EAF	ATHLETIC FACILITY	1.00	150.00	COM
EBH	BATH HOUSE	1.00	43.00	RES
ECC	CONFERENCE CENTER	1.00	115.00	COM
ECH	CHURCHES	1.00	78.00	RES
ECR	CHURCH RECTORY	1.00	90.00	RES
EDF	DINING FACILITY	1.00	115.00	COM
EDH	DINING HALL	1.00	85.00	COM
EEH	ELDERLY HOUSING	1.00	115.00	COM
EFD	FACULTY DORMS	1.00	121.00	COM
EFS	FIRE STATION	1.00	54.00	COM
EHG	HIGHWAY GARAGE	1.00	46.00	COM
EHS	EXEMPT HOUSING	1.25	66.00	RES
EIR	INFIRMARY/RES	1.00	86.00	COM
ELB	LIBRARY	1.00	122.00	COM
EMB	MAINTENANCE BLDG	1.00	54.00	COM
EMD	EXEMPT DOUBLE WIDEMH	3.00	40.00	MFH
EME	EXEMPT MOBILE HOME	4.00	38.00	MFH
EMH	MEETING HOUSE	1.00	110.00	COM
EOF	EXEMPT OFFICES	1.00	78.00	COM
ERC	REC HALL	1.00	74.00	COM
ERD	RESIDENT DORMS	1.00	122.00	COM
ERH	REHAB HOSPITAL	1.00	205.00	COM
ESC	SCHOOLS/COLLEGE	1.00	92.00	COM
ETH	TRANSITIONAL HOUSING	1.25	66.00	RES
ETP	TOWN HALL/POLICE	1.00	98.00	COM
EWH	WELL HOUSE	1.00	45.00	RES
IMF	HEAVY MANUFACTURING	1.00	38.00	IND
IWH	IND WAREHOUSE	1.00	28.00	IND
MHD	DOUBLE WIDE MH	3.00	40.00	MFH
MHS	MOBILE HOMES	4.00	38.00	MFH
MRV	CAMPER	5.00	25.00	MFH
RAN	RES ANTIQUE	1.25	66.00	RES
RDX	DUPLEX	1.25	64.00	RES
RMF	RES MULTI-FAMILY	1.25	64.00	RES
RSA	RESIDENTIAL	1.25	66.00	RES
UTL	PUBLIC UTILITY BLDG	1.00	50.00	RES

Building Sub Area Codes & Values			
Code	Description	Factor	
ATF	ATTIC FINISHED	0.25	
ATU	ATTIC UNFINISHED	0.10	
BMF	BSMNT FINISHED	0.30	
BMG	BASEMENT GARAGE	0.20	
BMU	BSMNT UNFINISHED	0.15	
COF	COM OFFICE AREA	1.75	
CPT	CARPORT ATTACHED	0.10	
CRL	CRAWL SPACE	0.05	
CTH	CATHEDRAL CEILING	0.10	
DEK	DECK/ENTRANCE	0.10	
ENT	ENTRY WAY	0.10	
EPF	ENCLSD PORCH FIN	0.70	
EPU	COVERED BSMNT ENTRY	0.35	
FFF	FST FLR FIN	1.00	
FFU	FST FLR UNFIN	0.50	
GAR	GARAGE ATTACHED	0.45	
HSF	1/2 STRY FIN	0.50	
HSU	1/2 STRY UNFIN	0.25	
LDK	LOADING AREA	0.20	
OFF	OFFICE AREA	1.00	
OPF	OPEN PORCH	0.25	
PAT	PATIO	0.10	
PRS	PIERS	-0.05	
RBF	RAISED BSMNT FIN	0.50	
RBU	RAISED BSMNT UNFIN	0.25	
SFA	SEMI-FINISH AREA	0.75	
SLB	SLAB FOUNDATION	0.00	
STO	STORAGE AREA	0.25	
TQF	3/4 STRY FIN	0.75	
TQU	3/4 STRY UNFIN	0.35	
UFF	UPPER FLR FIN	1.00	
UFU	UPPER FLR UNFIN	0.50	
VLT	VAULTED	0.05	

	Building Quality Adjustments			
Code	Description	Factor		
A0	AVG	1.00		
A1	AVG+10	1.10		
A2	AVG+20	1.20		
A3	AVG+30	1.30		
B1	AVG-10	0.90		
B2	AVG-20	0.80		
В3	AVG-30	0.70		
B4	AVG-40	0.60		
A4	EXC	1.40		
A5	EXC+10	1.50		
A6	EXC+20	1.60		
A7	EXC+40	1.80		
A8	EXC+60	2.00		
A9	LUXURIOUS	2.50		
AA	SPECIAL USE	3.00		

Building Story Codes & Values			
Code	Description	Factor	
A	1.00 STORY	1.00	
В	1.50 STORY	0.99	
C	1.75 STORY	0.97	
D	2.00 STORY	0.96	
Е	2.50 STORY	0.95	
F	2.75 STORY	0.95	
G	3.00 STORY	0.95	
Н	3.50+ STORY	0.95	
I	SPLIT LEVEL	1.00	

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<b>Building Roof Structures</b>			
Code	Description	Points	
A	FLAT	2.00	
В	SHED	2.00	
C	GABLE OR HIP	3.00	
D	WOOD TRUSS	4.00	
Е	SALT BOX	4.00	
F	MANSARD	5.00	
G	GAMBREL	5.00	
Н	IRREGULAR	6.00	

	Building Exterior Wall Materials			
Code	Description	Points		
1	CEMENT CLAPBOARD	36.00		
2	DECORATIVE BLOCK	36.00		
A	MINIMUM	18.00		
В	BELOW AVG	24.00		
C	NOVELTY	34.00		
D	AVERAGE	34.00		
E	BOARD/BATTEN	34.00		
F	ASBEST SHNGL	30.00		
G	LOGS	34.00		
Н	ABOVE AVG	37.00		
I	CLAP BOARD	34.00		
J	CEDAR/REDWD	37.00		
K	PREFAB WD PNL	32.00		
L	WOOD SHINGLE	34.00		
M	CNCRT OR BLK	28.00		
N	CB STUCCO	34.00		
O	ASPHALT	30.00		
P	BRK VENEER	37.00		
Q	BR ON MASONRY	40.00		
R	STN ON MASONRY	42.00		
S	VINYL SIDING	35.00		
T	ALUM SIDING	35.00		
U	PREFIN METAL	38.00		
V	GLASS/THERMO	40.00		
Y	MASONITE	28.00		

<b>Building Interior Wall Materials</b>			
Code	Description	Points	
A	MINIMUM	8.00	
В	WALL BOARD	22.00	
B C D	PLASTER	27.00	
D	DRYWALL	27.00	
Е	WOOD/LOG	30.00	
F	PLYWOOD PANEL	27.00	
G	AVERAGE FOR USE	22.00	

	<b>Building Roof Materials</b>			
Code	Description	Points		
A	METAL/TIN	2.00		
В	ROLLED/COMPO	2.00		
C	ASPHALT	3.00		
D	TAR/GRAVEL	3.00		
F	ASBEST SHNGL	3.00		
G	CLAY/TILE	7.00		
Н	WD SHINGLE	5.00		
I	SLATE	6.00		
J	CORRUGATED COMP	3.00		
K	PREFAB METALS	6.00		
L	RUBBER MEMBRN	5.00		
S	STANDING SEAM	6.00		
T	HIGH QUALITY COMP	7.00		

Building Frame Materials			
Code	Description	Factor	
A	WOOD	100.00	
В	MASONRY	110.00	
C	REIN-CONCRETE	110.00	
D	STEEL	115.00	
E	SPECIAL	115.00	

Building Interior Floor Materials			
Code	Description	Points	
A	MIN PLYWD	5.00	
В	CONCRETE	6.00	
C	HARD TILE	12.00	
D	LINOLEUM OR SIM	7.00	
E	PINE/SOFT WD	9.00	
F	HARDWOOD	10.00	
G	PARQUET	11.00	
Н	CARPET	10.00	
I	AVERAGE FOR USE	8.00	
J	LAMINATE	9.00	
K	VINYL	7.00	
P	PERGO	8.00	

<b>Building Heating Fuel Types</b>						
Code	Description	Points				
A	WOOD/COAL	0.50				
В	OIL	1.00				
C	GAS	1.00				
D	ELECTRIC	1.00				
E	SOLAR	1.10				
F	NONE	0.00				

	<b>Building Heating System Types</b>							
Code	Description	Points						
A	NONE	0.00						
В	CONVECTION	2.00						
C	FA NO DUCTS	3.00						
D	FA DUCTED	6.00						
Е	HOT WATER	6.00						
F	STEAM	5.00						
G	RAD ELECT	3.00						
Н	RAD WATER	6.00						
I	CERAMIC/QUARTS	4.00						
J	HEAT PUMP	7.00						
K	WALL/FLR FURNACE	6.00						

Building Accessories	
Description	Points
CENTRAL AIR CONDITIONING	4.00
EXTRA KITCHEN	0.00
FIREPLACE	0.00
GENERATOR	2.00

			Build	ing Bedroom &	k Bathroom Po	oints		
Bedrooms								
		0	1	2	3	4	> 4	
	0.0	0	2	3	4	5	6	
	0.5	6	7	7	8	8	9	
	1.0	9	10	10	11	11	12	
	1.5	12	11	12	13	14	15	
Bathrooms	2.0	13	12	13	14	15	16	
Datinoonis	2.5	14	13	13	14	15	16	
	3.0	15	14	14	15	16	17	
	3.5	16	14	14	15	16	17	
	4.0	17	14	15	16	17	18	
	> 4.0	18	14	15	16	17	18	

Standard Age Only Building Depreciation Schedule

### **Building Age Condition Classifications**

Age	Very Poor	Poor	Fair	Average	Good	Very Good	Excellent
1	5	4	3	1	1	1	1
5	11	9	7	5	4	3	2
10	16	13	9	8	6	5	3
15	19	15	12	10	8	6	4
20	22	18	13	11	9	7	4
30	27	22	16	14	11	8	5
40	32	25	19	16	13	9	6
50	35	28	21	18	14	11	7
60	39	31	23	19	15	12	8
70	42	33	25	21	17	13	8
80	45	36	27	22	18	13	9
90	47	38	28	24	19	14	9
100	50	40	30	25	20	15	10
125	56	45	34	28	22	17	11
150	61	49	37	31	24	18	12
175	66	53	40	33	26	20	13
200	71	57	42	35	28	21	14
225	75	60	45	38	30	23	15
250	79	63	47	40	32	24	16
275	83	66	50	41	33	25	17
300	87	69	52	43	35	26	17

Depreciation can also be added for physical, functional, or economic reasons or conditions over and above the normal age depreciation.

The standard age depreciation can be further adjusted based on the standard depreciation rate of various buildings. The standard depreciation rate of residential buildings is typically 1%, while manufactured housing might be 3%. As such, a 10 year-old house in good condition would have 6% total depreciation, while similar manufactured homes would have 18% depreciation. See Building Base Rate Codes & Values chart for unique depreciation by building type.

Greenfield
Residential Building Area Size Adjustment Factors
Median Effective Area = 2800sf Fixed Site Cost Adjustment = 25%

Size	Adj.	Size	Adj.	Size	Adj.	Size	Adj.	Size	Adj.
215	4.00	285	3.21	393	2.53	636	1.85	1,667	1.17
213	3.99	286	3.20	393	2.53	642	1.83	1,707	1.17
217	3.99	287	3.19	393	2.51	648	1.83	1,750	1.15
218	3.96	288	3.18	400	2.50	654	1.82	1,795	1.14
219	3.95	289	3.17	402	2.49	660	1.81	1,842	1.13
220	3.93	290	3.16	405	2.48	667	1.80	1,892	1.12
221	3.92	292	3.15	407	2.47	673	1.79	1,944	1.11
222	3.91	293	3.14	409	2.46	680	1.78	2,000	1.10
223	3.89	294	3.13	412	2.45	686	1.77	2,059	1.09
224	3.88	295	3.12	414	2.44	693	1.76	2,121	1.08
225	3.86	297	3.11	417	2.43	700	1.75	2,187	1.07
226	3.85	298	3.10	419	2.42	707	1.74	2,258	1.06
227	3.84	299	3.09	422	2.41	714	1.73	2,333	1.05
228	3.82	300	3.08	424	2.40	722	1.72	2,414	1.04
229	3.81	302	3.07	427	2.39	729	1.71	2,500	1.03
230	3.80	303	3.06	429	2.38	737	1.70	2,593	1.02
231	3.78	304	3.05	432	2.37	745	1.69	2,692	1.01
232	3.77	306	3.04	435	2.36	753	1.68	2,800	1.00
233	3.76	307	3.03	437	2.35	761	1.67	2,917	0.99
234	3.74	308	3.02	440	2.34	769	1.66	3,043	0.98
235	3.73	310	3.01	443	2.33	778	1.65	3,182	0.97
236	3.72	311	3.00	446	2.32	787	1.64	3,333	0.96
237	3.70	312	2.99	449	2.31	795	1.63	3,500	0.95
238	3.69	314	2.98	452	2.30	805	1.62	3,684	0.94
239	3.68	315	2.97	455	2.29	814	1.61	3,889	0.93
240	3.67	317	2.96	458	2.28	824	1.60	4,118	0.92
241	3.66	318	2.95	461	2.27	833	1.59	4,375	0.91
242	3.64	320	2.94	464	2.26	843	1.58	4,667	0.90
243 244	3.63 3.62	321 323	2.93 2.92	467 470	2.25 2.24	854 864	1.57 1.56	5,000 5,385	0.89 0.88
244	3.62	323	2.92	470	2.24	875	1.55	5,833	0.88
245	3.60	324	2.90	473	2.23	886	1.54	6,364	0.86
240	3.58	327	2.89	479	2.22	897	1.53	7,000	0.85
247	3.57	329	2.88	483	2.21	909	1.52	7,778	0.83
249	3.56	330	2.87	486	2.19	921	1.51	8,750	0.83
250	3.55	332	2.86	490	2.18	933	1.50	10,000	0.82
251	3.54	333	2.85	493	2.17	946	1.49	11,667	0.81
252	3.53	335	2.84	496	2.16	959	1.48	14,000	0.80
253	3.52	337	2.83	500	2.15	972	1.47	17,500	0.79
254	3.51	338	2.82	504	2.14	986	1.46	23,333	0.78
255	3.50	340	2.81	507	2.13	1,000	1.45	35,000	0.77
256	3.48	341	2.80	511	2.12	1,014	1.44	70,000	0.76
257	3.47	343	2.79	515	2.11	1,029	1.43	100,000	0.76
258	3.46	345	2.78	519	2.10	1,045	1.42	200,000	0.7535
259	3.45	347	2.77	522	2.09	1,061	1.41	300,000	0.7523
260	3.44	348	2.76	526	2.08	1,077	1.40	400,000	0.7518
261	3.43	350	2.75	530	2.07	1,094	1.39	500,000	0.7514
262	3.42	352	2.74	534	2.06	1,111	1.38	600,000	0.7512
263	3.41	354	2.73	538	2.05	1,129	1.37	700,000	0.7510
264	3.40	355	2.72	543	2.04	1,148	1.36	800,000	0.7509
265	3.39	357	2.71	547	2.03	1,167	1.35	900,000	0.7508
266	3.38	359	2.70	551	2.02	1,186	1.34	1,000,000	0.7507
267	3.37	361	2.69	556	2.01	1,207	1.33		
268	3.36	363	2.68	560	2.00	1,228	1.32		
269	3.35	365	2.67	565	1.99	1,250	1.31		
270	3.34	366	2.66	569	1.98	1,273	1.30		
271	3.33	368	2.65	574	1.97	1,296	1.29		
272	3.32	370	2.64	579 583	1.96	1,321	1.28		
273	3.31	372	2.63	583	1.95	1,346	1.27		
275 276	3.30 3.29	374 376	2.62	588 593	1.94 1.93	1,373 1,400	1.26		
276	3.29	376	2.61 2.60	593 598	1.93	1,400	1.25 1.24		
277	3.28	3/8	2.59	603	1.92	1,429	1.24		
278	3.27	383	2.58	609	1.91	1,438	1.23		
280	3.25	385	2.57	614	1.89	1,489	1.22		
281	3.23	387	2.56	619	1.88	1,556	1.21		
282	3.23	389	2.55	625	1.87	1,591	1.19		
283	3.22	391	2.54	631	1.86	1,628	1.18		
					00	-,020		1	

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Greenfield
Commercial Building Area Size Adjustment Factors
Median Effective Area = 2500sf Fixed Site Cost Adjustment = 30%

227	Γ	Size	Adj.	Size	Adj.	Size	Adj.	Size	Adj.	Size	Adj.
2228   3.99   2.99   3.21   412   2.52   664   1.83   1.705   1.14	f						•				
2299   3.98   3.00   3.20   414   2.51   670   1.82   1.744   1.13   1.33   3.95   3.01   3.19   417   2.50   676   1.81   1.786   1.172   2.31   3.95   3.02   3.18   419   2.49   682   1.80   1.829   1.11   2.33   3.93   3.04   3.17   421   2.48   688   1.79   1.875   1.10   2.33   3.92   3.05   3.16   424   2.47   694   1.78   1.923   1.09   2.34   3.91   3.06   3.15   426   2.46   701   1.77   1.774   1.08   2.33   3.93   3.07   3.14   429   2.45   708   1.16   2.027   1.07   2.33   3.89   3.07   3.14   429   2.45   708   1.76   2.027   1.07   2.34   3.81   3.11   4.34   2.44   7.34   1.76   2.027   1.07   2.35   3.88   3.11   3.11   4.34   2.44   7.34   1.75   2.033   1.04   2.33   3.84   3.12   3.11   4.34   2.44   7.38   1.73   2.243   1.04   2.240   3.83   3.14   3.09   4.41   2.40   7.43   1.71   2.344   1.02   2.41   3.81   3.15   3.08   4.44   2.29   7.50   1.70   2.419   1.01   2.42   3.80   3.16   3.07   4.46   2.38   7.58   1.69   2.500   1.00   2.44   3.78   3.13   3.05   4.52   2.36   7.73   1.67   2.679   0.98   2.44   3.78   3.12   3.04   4.55   2.35   7.81   1.67   2.679   0.98   2.44   3.78   3.12   3.04   4.55   2.35   7.78   1.66   2.778   0.98   2.44   3.78   3.13   3.05   4.52   2.36   7.73   1.67   2.679   0.98   2.44   3.78   3.12   3.03   4.55   2.35   7.81   1.66   2.778   0.95   2.44   3.78   3.21   3.04   4.55   2.35   7.81   1.66   2.778   0.95   2.44   3.78   3.13   3.05   4.52   2.36   7.73   1.67   2.679   0.98   2.44   3.78   3.13   3.05   4.52   2.35   7.81   1.66   2.778   0.95   2.44   3.73   3.25   3.01   4.63   2.32   3.04   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.05   3.25   3.05   3.25   3.05   3.25   3.05   3.25											
230   3.96   301   3.19   417   2.50   676   1.81   1.786   1.12   231   3.95   3.02   3.18   419   2.49   682   1.80   1.829   1.11   232   3.93   3.04   3.17   421   2.48   688   1.79   1.875   1.10   233   3.92   3.05   3.16   424   2.47   604   1.78   1.923   1.10   2.34   3.91   3.06   3.15   426   2.46   701   1.77   1.974   1.08   2.35   3.89   307   3.14   429   2.45   708   1.76   2.027   1.07   2.26   3.88   3.99   3.13   431   2.44   714   1.75   2.083   1.06   2.277   3.73   2.206   1.04   2.24   2.28   1.73   2.206   1.04   2.24   2.28   1.73   2.206   1.04   2.24   3.81   3.11   436   2.42   728   1.73   2.206   1.04   2.24   3.81   3.15   3.08   441   2.40   743   1.71   2.344   1.02   2.273   3.01   2.24   3.80   3.15   3.08   444   2.39   750   1.70   2.419   1.01   2.41   2.42   3.80   3.15   3.06   4.59   2.2   2.273   3.04   4.52   2.2   2.273   3.04   2.45   2.2   2.273   3.04   2.45   2.2   2.											
231   3.95   302   3.18   419   2.49   682   1.80   1.829   1.11							2.50				
232   3,93   304   3.17   421   2.48   688   1.79   1.875   1.10		231					2.49	682			
233   392   305   316   424   247   694   1.78   1.923   1.09     234   391   306   315   426   246   701   1.77   1.974   1.08     235   3.89   307   3.14   429   2.45   708   1.76   2.027   1.07     236   3.88   309   3.13   431   2.44   714   1.75   2.083   1.06     237   3.87   310   3.12   434   2.43   721   1.74   2.143   1.05     238   3.85   311   311   436   2.42   728   1.73   2.206   1.04     239   3.84   312   3.10   439   2.41   735   1.72   2.273   1.03     240   3.83   314   309   441   2.40   743   1.71   2.344   1.02     241   3.81   315   3.08   444   2.39   750   1.70   2.419   1.01     242   3.80   316   307   446   2.38   758   1.69   2.500   1.00     243   3.79   318   306   452   2.36   773   1.67   2.679   0.98     244   3.78   319   305   452   2.36   773   1.67   2.679   0.98     245   3.76   321   3.04   455   2.35   781   1.66   2.778   0.97     246   3.74   3.23   3.02   460   2.33   798   1.64   3.000   0.95     247   3.74   3.23   3.02   460   2.33   798   1.64   3.000   0.95     248   3.73   325   3.01   463   2.32   806   1.63   3.125   0.94     249   3.71   326   3.00   466   2.31   815   1.62   3.261   0.94     250   3.70   328   2.99   469   2.30   824   1.61   3.409     251   3.69   329   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   330   2.74   475   2.28   843   1.59   3.750   0.90     251   3.69   329   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   3.30   2.94   484   2.25   872   1.56   4.412   0.87     253   3.67   332   2.96   478   2.27   852   1.58   3.947   0.89     254   3.63   3.33   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.30   2.94   484   2.25   872   1.56   4.412   0.87     253   3.67   332   2.96   478   2.27   852   1.58   3.947   0.89     254   3.63   3.35   2.94   484   2.25   872   1.56   4.88   0.86     255   3.64   3.35   2.94   484   2.25   872   1.56   4.88   0.86     256   3.63   3.35   2.94   484   2.25   872   1.56   4.88   0.86     257   3.62   3.38   2.92   4.99   2.21   9.93   1.50   0							2.48				
235   3.89   307   3.14   429   2.45   708   1.76   2.027   1.07     236   3.88   309   3.13   431   2.44   714   1.75   2.083   1.06     237   3.87   310   3.12   434   2.43   721   1.74   2.143   1.05     238   3.85   311   311   436   2.42   728   1.73   2.206   1.04     240   3.83   314   3.09   441   2.40   743   1.71   2.344   1.02     241   3.81   315   3.08   444   2.39   750   1.70   2.419   1.01     242   3.80   316   307   446   2.38   758   1.69   2.500   1.00     243   3.79   318   306   449   2.37   765   1.68   2.586   0.99     244   3.78   319   305   452   2.36   773   1.67   2.679   0.98     245   3.76   321   3.04   455   2.35   781   1.66   2.778   0.97     246   3.75   3.22   3.03   457   2.34   789   1.65   2.850   0.96     247   3.74   3.23   3.02   460   2.33   798   1.64   3.000   0.95     248   3.71   326   3.00   466   2.31   815   1.62   3.261   0.94     249   3.71   326   3.00   466   2.31   815   1.62   3.261   0.94     250   3.70   328   2.99   469   2.30   824   1.61   3.409     251   3.69   3.29   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   330   2.74   475   2.28   843   1.59   3.750   0.90     251   3.69   3.29   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   3.33   2.96   478   2.27   852   1.58   3.947   0.88     255   3.64   335   2.94   484   2.25   872   1.56   4.412   0.87     256   3.63   3.33   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.33   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.33   2.99   499   2.23   893   1.54   5.000   0.85     255   3.64   3.35   2.94   484   2.25   872   1.56   4.412   0.87     256   3.63   3.36   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.31   2.95   481   2.26   862   1.57   4.167   0.88     255   3.64   3.35   2.94   484   2.25   872   1.56   4.412   0.87     256   3.63   3.35   2.94   484   2.25   872   1.56   4.412   0.87     257   3.62   3.38   2.92   4.99   2.91   4.91   4.91   4.91     258   3.64   3.75   3.85   3.91   4.91   4.91					3.16						
2216   3.88   3.09   3.13   431   2.44   7.14   1.75   2.083   1.06											
237   387   310   3.12   434   243   721   1.74   2.143   1.05											
238   3.85   311   3.11   436   2.42   728   1.73   2.206   1.04											
239   3.84   312   3.10   439   2.41   735   1.72   2.273   1.03											
240   3.83   314   3.09   441   2.40   743   1.71   2.344   1.01											
241   3.81   315   3.08   444   2.39   750   1.70   2.419   1.01											
242   3.80   316   3.07   446   2.38   758   1.69   2.500   1.00											
243         3.79         318         3.06         449         2.37         765         1.68         2.586         0.99           244         3.76         321         3.04         455         2.35         781         1.66         2.78         0.97           246         3.76         321         3.04         455         2.35         781         1.66         2.78         0.97           247         3.74         323         3.02         460         2.33         798         1.64         2.885         0.96           248         3.73         325         3.01         466         2.31         815         1.62         3.60         0.92           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         333         2.96         478         2.27         852											
244         3.78         319         3.05         452         2.36         773         1.67         2.679         0.98           245         3.75         322         3.03         457         2.34         789         1.65         2.885         0.96           247         3.74         3.23         3.02         460         2.33         798         1.65         2.885         0.96           248         3.73         325         3.01         463         2.32         806         1.63         3.000         0.95           249         3.71         326         3.00         466         2.31         815         1.62         3.261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         3.65         333         2.96         478         2.27         852         1.58         3,947         0.89           253         3.67         332         2.96         481         2.26<											
245         3.76         321         3.04         455         2.35         781         1.66         2.778         0.97           246         3.75         3.24         789         1.64         3.000         95           248         3.73         325         3.01         463         2.32         806         1.63         3.125         0.94           249         3.71         326         3.00         466         2.31         815         1.62         3.261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         330         2.96         478         2.27         852         1.58         3,947         0.89           254         3.65         333         2.96         478         2.27         852         1.58         3,947         0.89           254         3.62         3.36         336         2.96         487         2.24         882         1.55         4,68 <th></th> <td></td>											
246         3.75         322         3.03         457         2.34         789         1.65         2.88         0.96           247         3.74         3.23         3.02         460         2.33         798         1.64         3.000         0.95           248         3.73         325         3.01         463         2.32         806         1.63         3.125         0.94           250         3.70         328         2.99         469         2.30         824         1.61         3.409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3.571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         332         2.96         478         2.27         852         1.58         3,947         0.89           255         3.64         335         2.94         484         2.24         882         1.55         4,668         0.86           257         3.62         338         2.92         490         2.23         893 <th></th> <td></td>											
247         3.74         323         3.02         460         2.33         798         1.64         3,000         0.94           249         3.71         326         3.00         466         2.31         815         1.62         3,261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,570         0.90           253         3.67         332         2.96         478         2.27         852         1.58         4,167         0.88           254         3.65         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.92         490         2.23         893 <th></th> <td></td>											
248         3.73         325         3.01         463         2.32         806         1.63         3,125         0.94           249         3.71         326         3.00         466         2.31         815         1.62         3.261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3.400         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3.571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         332         2.96         478         2.27         852         1.58         3,947         0.89           254         3.63         3.63         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.64         333         2.91         487         2.24         882         1.55         4,412         0.87           257         3.62         333         2.91         490         2.23 </td <th></th> <td></td>											
249         3.71         326         300         466         231         815         1.62         3,261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           253         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.66         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.64         335         2.94         484         2.25         872         1.56         4,412         0.87           256         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         3.88         2.92         490         2.23         893         1.54         4,688         0.86           258         3.61         339         2.91         493         2.22         904 <th></th> <td></td>											
250         3.70         328         2.99         469         2.30         824         1.61         3.409         0.92           251         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         332         2.96         478         2.27         852         1.58         3,947         0.89           254         3.63         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.64         333         2.94         484         2.25         872         1.56         4,412         0.88           256         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.89         500         2.20         926 <th></th> <td></td>											
251   3.69   329   2.98   472   2.29   833   1.60   3.571   0.91											
252         3,68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3,67         332         2.96         478         2.27         852         1.58         3,947         0.89           254         3,65         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3,64         335         2.94         484         2.25         872         1.56         4,412         0.87           256         3,63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3,62         338         2.92         490         2.23         893         1.54         5,000         0.82           258         3,61         339         2.91         493         2.22         904         1.53         5,357         0.84           259         3,60         341         2.90         497         2.21         915         1.52         5,769         0.83           261         3,57         344         2.88         503         2.19         937 <th></th> <td></td>											
253         3.67         332         2.96         478         2.27         852         1.58         3.947         0.89           254         3.65         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         493         2.22         904         1.53         5,357         0.83           259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.52         3.53         347         2.86         510         2.17 </td <th></th> <td></td>											
255         3.64         335         2.94         484         2.25         872         1.56         4.412         0.87           256         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.91         493         2.22         904         1.53         5,576         0.84           259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           266         3.52         353         2.83         521         2.14         1,000<		253	3.67	332			2.27		1.58	3,947	
256         3.63         336         2.93         487         2.24         882         1.55         4.688         0.86           257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         493         2.22         994         1.53         5,357         0.84           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.83         521         2.14         1,000<			3.65		2.95	481		862			0.88
257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         493         2.22         904         1.53         5,357         0.84           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           266         3.52         353         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14 </td <th></th> <td>255</td> <td></td> <td>335</td> <td>2.94</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		255		335	2.94						
258         3.61         339         2.91         493         2.22         904         1.53         5,357         0.84           259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         344         2.88         500         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.73           268         3.50         355         2.81         528         522         2											
259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.88         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         353         352         2.81         521         2.14         1,000         1.45         12,500         0.76           267         3.51         355         2.81         528         2.2											
260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         352         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
261         3.57         344         2.88         503         2.19         937         1.50         6.818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         353         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           270         3.48         359         2.79         536         <											
262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           264         3.54         349         2.85         514         2.16         974         1.47         9.375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         224         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.71           272         3.46         362         2.77         543         2.08											
263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         3.59         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.76           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08 <th></th> <td></td>											
264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           266         3.52         353         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           272         3.42         366         2.75         551         2.06 </th <th></th>											
265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.42         366         2.75         551         2.06<											
266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7013           275         3.43         368         2.74         556         <											
267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.701           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.701           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.41         371         2.72         564         <											
268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564											
269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7015           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7015           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564											
270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7011           278         3.49         375         2.70         573											
271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7019           276         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           279         3.39         375         2.70         573 <th></th> <td></td>											
272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577											
273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7019           276         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7007           282         3.36         381         2.67         5											
274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7015           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7013           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> ,</td><td></td></td<>										,	
275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293										,	
276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27					2.74					400,000	
277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         800,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27           285         3.33         387         2.64         600         1.95         1,339         1.26           287         3.31		276	3.42		2.73	560	2.04	1,154			
279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27           285         3.33         387         2.64         600         1.95         1,339         1.26           286         3.32         389         2.63         605         1.94         1,364         1.25           287         3.31         391         2.62         610         1.93         1,389         1.24           288         3.30         393         2.61         615         1.92         1,415 <th></th> <td></td> <td></td> <td></td> <td>2.72</td> <td></td> <td></td> <td></td> <td>1.34</td> <td></td> <td>0.7013</td>					2.72				1.34		0.7013
280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27           285         3.33         387         2.64         600         1.95         1,339         1.26           286         3.32         389         2.63         605         1.94         1,364         1.25           287         3.31         391         2.62         610         1.93         1,389         1.24           288         3.30         393         2.61         615         1.92         1,415         1.23           290         3.29         395         2.60         620         1.91         1,442         1.22					2.71			1,190			
281     3.37     379     2.68     581     1.99     1,250     1.30     1,000,000     0.7007       282     3.36     381     2.67     586     1.98     1,271     1.29       283     3.35     383     2.66     591     1.97     1,293     1.28       284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     <											
282     3.36     381     2.67     586     1.98     1,271     1.29       283     3.35     383     2.66     591     1.97     1,293     1.28       284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17 <th></th> <td></td>											
283     3.35     383     2.66     591     1.97     1,293     1.28       284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17								1,250		1,000,000	0.7007
284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17								1,271			
285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
294 3.25 403 2.56 641 1.87 1,563 1.18 295 3.24 405 2.55 647 1.86 1,596 1.17											
295 3.24 405 2.55 647 1.86 1,596 1.17											
					2.54						

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Greenfield
Industrial Building Area Size Adjustment Factors
Median Effective Area = 2500sf Fixed Site Cost Adjustment = 30%

227	Γ	Size	Adj.	Size	Adj.	Size	Adj.	Size	Adj.	Size	Adj.
2228   3.99   2.99   3.21   412   2.52   664   1.83   1.705   1.14	f						•				
2299   3.98   3.00   3.20   414   2.51   670   1.82   1.744   1.13   1.33   3.95   3.01   3.19   417   2.50   676   1.81   1.786   1.172   2.31   3.95   3.02   3.18   419   2.49   682   1.80   1.829   1.11   2.33   3.93   3.04   3.17   421   2.48   688   1.79   1.875   1.10   2.33   3.92   3.05   3.16   424   2.47   694   1.78   1.923   1.09   2.34   3.91   3.06   3.15   426   2.46   701   1.77   1.774   1.08   2.33   3.93   3.07   3.14   429   2.45   708   1.16   2.027   1.07   2.33   3.89   3.07   3.14   429   2.45   708   1.76   2.027   1.07   2.34   3.81   3.11   4.34   2.44   7.34   1.76   2.027   1.07   2.35   3.88   3.11   3.11   4.34   2.44   7.34   1.75   2.033   1.04   2.33   3.84   3.12   3.11   4.34   2.44   7.38   1.73   2.243   1.04   2.240   3.83   3.14   3.09   4.41   2.40   7.43   1.71   2.344   1.02   2.41   3.81   3.15   3.08   4.44   2.29   7.50   1.70   2.419   1.01   2.42   3.80   3.16   3.07   4.46   2.38   7.58   1.69   2.500   1.00   2.44   3.78   3.13   3.05   4.52   2.36   7.73   1.67   2.679   0.98   2.44   3.78   3.12   3.04   4.55   2.35   7.81   1.67   2.679   0.98   2.44   3.78   3.12   3.04   4.55   2.35   7.78   1.66   2.778   0.98   2.44   3.78   3.13   3.05   4.52   2.36   7.73   1.67   2.679   0.98   2.44   3.78   3.12   3.03   4.55   2.35   7.81   1.66   2.778   0.95   2.44   3.78   3.21   3.04   4.55   2.35   7.81   1.66   2.778   0.95   2.44   3.78   3.13   3.05   4.52   2.36   7.73   1.67   2.679   0.98   2.44   3.78   3.13   3.05   4.52   2.35   7.81   1.66   2.778   0.95   2.44   3.73   3.25   3.01   4.63   2.32   3.04   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.05   3.25   3.05   3.25   3.05   3.25   3.05   3.25											
230   3.96   301   3.19   417   2.50   676   1.81   1.786   1.12   231   3.95   3.02   3.18   419   2.49   682   1.80   1.829   1.11   232   3.93   3.04   3.17   421   2.48   688   1.79   1.875   1.10   233   3.92   3.05   3.16   424   2.47   604   1.78   1.923   1.10   2.34   3.91   3.06   3.15   426   2.46   701   1.77   1.974   1.08   2.35   3.89   307   3.14   429   2.45   708   1.76   2.027   1.07   2.26   3.88   3.99   3.13   431   2.44   714   1.75   2.083   1.06   2.277   3.73   2.206   1.04   2.24   2.28   1.73   2.206   1.04   2.24   2.28   1.73   2.206   1.04   2.24   3.81   3.11   436   2.42   728   1.73   2.206   1.04   2.24   3.81   3.15   3.08   441   2.40   743   1.71   2.344   1.02   2.273   3.01   2.24   3.80   3.15   3.08   444   2.39   750   1.70   2.419   1.01   2.41   2.42   3.80   3.15   3.06   4.59   2.2   2.273   3.04   4.52   2.2   2.273   3.04   2.45   2.2   2.273   3.04   2.45   2.2   2.											
231   3.95   302   3.18   419   2.49   682   1.80   1.829   1.11							2.50				
232   3,93   304   3.17   421   2.48   688   1.79   1.875   1.10		231					2.49	682			
233   392   305   316   424   247   694   1.78   1.923   1.09     234   391   306   315   426   246   701   1.77   1.974   1.08     235   3.89   307   3.14   429   2.45   708   1.76   2.027   1.07     236   3.88   309   3.13   431   2.44   714   1.75   2.083   1.06     237   3.87   310   3.12   434   2.43   721   1.74   2.143   1.05     238   3.85   311   311   436   2.42   728   1.73   2.206   1.04     239   3.84   312   3.10   439   2.41   735   1.72   2.273   1.03     240   3.83   314   309   441   2.40   743   1.71   2.344   1.02     241   3.81   315   3.08   444   2.39   750   1.70   2.419   1.01     242   3.80   316   307   446   2.38   758   1.69   2.500   1.00     243   3.79   318   306   452   2.36   773   1.67   2.679   0.98     244   3.78   319   305   452   2.36   773   1.67   2.679   0.98     245   3.76   321   3.04   455   2.35   781   1.66   2.778   0.97     246   3.74   3.23   3.02   460   2.33   798   1.64   3.000   0.95     247   3.74   3.23   3.02   460   2.33   798   1.64   3.000   0.95     248   3.73   325   3.01   463   2.32   806   1.63   3.125   0.94     249   3.71   326   3.00   466   2.31   815   1.62   3.261   0.94     250   3.70   328   2.99   469   2.30   824   1.61   3.409     251   3.69   329   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   330   2.74   475   2.28   843   1.59   3.750   0.90     251   3.69   329   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   3.30   2.94   484   2.25   872   1.56   4.412   0.87     253   3.67   332   2.96   478   2.27   852   1.58   3.947   0.89     254   3.63   3.33   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.30   2.94   484   2.25   872   1.56   4.412   0.87     253   3.67   332   2.96   478   2.27   852   1.58   3.947   0.89     254   3.63   3.35   2.94   484   2.25   872   1.56   4.88   0.86     255   3.64   3.35   2.94   484   2.25   872   1.56   4.88   0.86     256   3.63   3.35   2.94   484   2.25   872   1.56   4.88   0.86     257   3.62   3.38   2.92   4.99   2.21   9.93   1.50   0							2.48				
235   3.89   307   3.14   429   2.45   708   1.76   2.027   1.07     236   3.88   309   3.13   431   2.44   714   1.75   2.083   1.06     237   3.87   310   3.12   434   2.43   721   1.74   2.143   1.05     238   3.85   311   311   436   2.42   728   1.73   2.206   1.04     240   3.83   314   3.09   441   2.40   743   1.71   2.344   1.02     241   3.81   315   3.08   444   2.39   750   1.70   2.419   1.01     242   3.80   316   307   446   2.38   758   1.69   2.500   1.00     243   3.79   318   306   449   2.37   765   1.68   2.586   0.99     244   3.78   319   305   452   2.36   773   1.67   2.679   0.98     245   3.76   321   3.04   455   2.35   781   1.66   2.778   0.97     246   3.75   3.22   3.03   457   2.34   789   1.65   2.850   0.96     247   3.74   3.23   3.02   460   2.33   798   1.64   3.000   0.95     248   3.71   326   3.00   466   2.31   815   1.62   3.261   0.94     249   3.71   326   3.00   466   2.31   815   1.62   3.261   0.94     250   3.70   328   2.99   469   2.30   824   1.61   3.409     251   3.69   3.29   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   330   2.74   475   2.28   843   1.59   3.750   0.90     251   3.69   3.29   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   3.33   2.96   478   2.27   852   1.58   3.947   0.88     255   3.64   335   2.94   484   2.25   872   1.56   4.412   0.87     256   3.63   3.33   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.33   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.33   2.99   499   2.23   893   1.54   5.000   0.85     255   3.64   3.35   2.94   484   2.25   872   1.56   4.412   0.87     256   3.63   3.36   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.31   2.95   481   2.26   862   1.57   4.167   0.88     255   3.64   3.35   2.94   484   2.25   872   1.56   4.412   0.87     256   3.63   3.35   2.94   484   2.25   872   1.56   4.412   0.87     257   3.62   3.38   2.92   4.99   2.91   4.91   4.91   4.91     258   3.64   3.75   3.85   3.91   4.91   4.91					3.16						
2216   3.88   3.09   3.13   431   2.44   7.14   1.75   2.083   1.06											
237   387   310   3.12   434   243   721   1.74   2.143   1.05											
238   3.85   311   3.11   436   2.42   728   1.73   2.206   1.04											
239   3.84   312   3.10   439   2.41   735   1.72   2.273   1.03											
240   3.83   314   3.09   441   2.40   743   1.71   2.344   1.01											
241   3.81   315   3.08   444   2.39   750   1.70   2.419   1.01											
242   3.80   316   3.07   446   2.38   758   1.69   2.500   1.00											
243         3.79         318         3.06         449         2.37         765         1.68         2.586         0.99           244         3.76         321         3.04         455         2.35         781         1.66         2.78         0.97           246         3.76         321         3.04         455         2.35         781         1.66         2.78         0.97           247         3.74         323         3.02         460         2.33         798         1.64         2.885         0.96           248         3.73         325         3.01         466         2.31         815         1.62         3.60         0.92           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         333         2.96         478         2.27         852											
244         3.78         319         3.05         452         2.36         773         1.67         2.679         0.98           245         3.75         322         3.03         457         2.34         789         1.65         2.885         0.96           247         3.74         3.23         3.02         460         2.33         798         1.65         2.885         0.96           248         3.73         325         3.01         463         2.32         806         1.63         3.000         0.95           249         3.71         326         3.00         466         2.31         815         1.62         3.261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         3.65         333         2.96         478         2.27         852         1.58         3,947         0.89           253         3.67         332         2.96         481         2.26<											
245         3.76         321         3.04         455         2.35         781         1.66         2.778         0.97           246         3.75         3.24         789         1.64         3.000         95           248         3.73         325         3.01         463         2.32         806         1.63         3.125         0.94           249         3.71         326         3.00         466         2.31         815         1.62         3.261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         330         2.96         478         2.27         852         1.58         3,947         0.89           254         3.65         333         2.96         478         2.27         852         1.58         3,947         0.89           254         3.62         3.36         336         2.96         487         2.24         882         1.55         4,68 <th></th> <td></td>											
246         3.75         322         3.03         457         2.34         789         1.65         2.88         0.96           247         3.74         3.23         3.02         460         2.33         798         1.64         3.000         0.95           248         3.73         325         3.01         463         2.32         806         1.63         3.125         0.94           250         3.70         328         2.99         469         2.30         824         1.61         3.409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3.571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         332         2.96         478         2.27         852         1.58         3,947         0.89           255         3.64         335         2.94         484         2.24         882         1.55         4,668         0.86           257         3.62         338         2.92         490         2.23         893 <th></th> <td></td>											
247         3.74         323         3.02         460         2.33         798         1.64         3,000         0.94           249         3.71         326         3.00         466         2.31         815         1.62         3,261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,570         0.90           253         3.67         332         2.96         478         2.27         852         1.58         4,167         0.88           254         3.65         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.92         490         2.23         893 <th></th> <td></td>											
248         3.73         325         3.01         463         2.32         806         1.63         3,125         0.94           249         3.71         326         3.00         466         2.31         815         1.62         3.261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3.400         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3.571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         332         2.96         478         2.27         852         1.58         3,947         0.89           254         3.63         3.63         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.64         333         2.91         487         2.24         882         1.55         4,412         0.87           257         3.62         333         2.91         490         2.23 </td <th></th> <td></td>											
249         3.71         326         300         466         231         815         1.62         3,261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           253         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.66         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.64         335         2.94         484         2.25         872         1.56         4,412         0.87           256         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         3.88         2.92         490         2.23         893         1.54         4,688         0.86           258         3.61         339         2.91         493         2.22         904 <th></th> <td></td>											
250         3.70         328         2.99         469         2.30         824         1.61         3.409         0.92           251         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         332         2.96         478         2.27         852         1.58         3,947         0.89           254         3.63         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.64         333         2.94         484         2.25         872         1.56         4,412         0.88           256         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.89         500         2.20         926 <th></th> <td></td>											
251   3.69   329   2.98   472   2.29   833   1.60   3.571   0.91											
252         3,68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3,67         332         2.96         478         2.27         852         1.58         3,947         0.89           254         3,65         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3,64         335         2.94         484         2.25         872         1.56         4,412         0.87           256         3,63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3,62         338         2.92         490         2.23         893         1.54         5,000         0.82           258         3,61         339         2.91         493         2.22         904         1.53         5,357         0.84           259         3,60         341         2.90         497         2.21         915         1.52         5,769         0.83           261         3,57         344         2.88         503         2.19         937 <th></th> <td></td>											
253         3.67         332         2.96         478         2.27         852         1.58         3.947         0.89           254         3.65         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         493         2.22         904         1.53         5,357         0.83           259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.52         3.53         347         2.86         510         2.17 </td <th></th> <td></td>											
255         3.64         335         2.94         484         2.25         872         1.56         4.412         0.87           256         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.91         493         2.22         904         1.53         5,576         0.84           259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           266         3.52         353         2.83         521         2.14         1,000<		253	3.67	332			2.27		1.58	3,947	
256         3.63         336         2.93         487         2.24         882         1.55         4.688         0.86           257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         493         2.22         994         1.53         5,357         0.84           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.83         521         2.14         1,000<			3.65		2.95	481		862			0.88
257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         493         2.22         904         1.53         5,357         0.84           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           266         3.52         353         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14 </td <th></th> <td>255</td> <td></td> <td>335</td> <td>2.94</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		255		335	2.94						
258         3.61         339         2.91         493         2.22         904         1.53         5,357         0.84           259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         344         2.88         500         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.73           268         3.50         355         2.81         528         522         2											
259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.88         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         353         352         2.81         521         2.14         1,000         1.45         12,500         0.76           267         3.51         355         2.81         528         2.2											
260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         352         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
261         3.57         344         2.88         503         2.19         937         1.50         6.818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         353         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           270         3.48         359         2.79         536         <											
262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           264         3.54         349         2.85         514         2.16         974         1.47         9.375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         224         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.71           272         3.46         362         2.77         543         2.08											
263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         3.59         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.76           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08 <th></th> <td></td>											
264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           266         3.52         353         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           272         3.42         366         2.75         551         2.06 </th <th></th>											
265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.42         366         2.75         551         2.06<											
266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7013           275         3.43         368         2.74         556         <											
267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.701           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.701           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.41         371         2.72         564         <											
268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564											
269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7015           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7015           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564											
270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7011           278         3.49         375         2.70         573											
271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7019           276         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           279         3.39         375         2.70         573 <th></th> <td></td>											
272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577											
273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7019           276         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7007           282         3.36         381         2.67         5											
274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7015           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7013           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> ,</td><td></td></td<>										,	
275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293										,	
276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27					2.74					400,000	
277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         800,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27           285         3.33         387         2.64         600         1.95         1,339         1.26           287         3.31		276	3.42		2.73	560	2.04	1,154			
279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27           285         3.33         387         2.64         600         1.95         1,339         1.26           286         3.32         389         2.63         605         1.94         1,364         1.25           287         3.31         391         2.62         610         1.93         1,389         1.24           288         3.30         393         2.61         615         1.92         1,415 <th></th> <td></td> <td></td> <td></td> <td>2.72</td> <td></td> <td></td> <td></td> <td>1.34</td> <td></td> <td>0.7013</td>					2.72				1.34		0.7013
280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27           285         3.33         387         2.64         600         1.95         1,339         1.26           286         3.32         389         2.63         605         1.94         1,364         1.25           287         3.31         391         2.62         610         1.93         1,389         1.24           288         3.30         393         2.61         615         1.92         1,415         1.23           290         3.29         395         2.60         620         1.91         1,442         1.22					2.71			1,190			
281     3.37     379     2.68     581     1.99     1,250     1.30     1,000,000     0.7007       282     3.36     381     2.67     586     1.98     1,271     1.29       283     3.35     383     2.66     591     1.97     1,293     1.28       284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     <											
282     3.36     381     2.67     586     1.98     1,271     1.29       283     3.35     383     2.66     591     1.97     1,293     1.28       284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17 <th></th> <td></td>											
283     3.35     383     2.66     591     1.97     1,293     1.28       284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17								1,250		1,000,000	0.7007
284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17								1,271			
285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
294 3.25 403 2.56 641 1.87 1,563 1.18 295 3.24 405 2.55 647 1.86 1,596 1.17											
295 3.24 405 2.55 647 1.86 1,596 1.17											
					2.54						

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Greenfield

Manufactured Building Area Size Adjustment Factors

Median Effective Area = 2500sf Fixed Site Cost Adjustment = 30%

227	Γ	Size	Adj.	Size	Adj.	Size	Adj.	Size	Adj.	Size	Adj.
2228   3.99   2.99   3.21   412   2.52   664   1.83   1.705   1.14	f						•				
2299   3.98   3.00   3.20   414   2.51   670   1.82   1.744   1.13   1.33   3.95   3.01   3.19   417   2.50   676   1.81   1.786   1.172   2.31   3.95   3.02   3.18   419   2.49   682   1.80   1.829   1.11   2.33   3.93   3.04   3.17   421   2.48   688   1.79   1.875   1.10   2.33   3.92   3.05   3.16   424   2.47   694   1.78   1.923   1.09   2.34   3.91   3.06   3.15   426   2.46   701   1.77   1.774   1.08   2.33   3.93   3.07   3.14   429   2.45   708   1.16   2.027   1.07   2.33   3.89   3.07   3.14   429   2.45   708   1.76   2.027   1.07   2.34   3.81   3.11   4.34   2.44   7.34   1.76   2.027   1.07   2.35   3.88   3.11   3.11   4.34   2.44   7.34   1.75   2.033   1.04   2.33   3.84   3.12   3.11   4.34   2.44   7.38   1.73   2.243   1.04   2.240   3.83   3.14   3.09   4.41   2.40   7.43   1.71   2.344   1.02   2.41   3.81   3.15   3.08   4.44   2.29   7.50   1.70   2.419   1.01   2.42   3.80   3.16   3.07   4.46   2.38   7.58   1.69   2.500   1.00   2.44   3.78   3.13   3.05   4.52   2.36   7.73   1.67   2.679   0.98   2.44   3.78   3.12   3.04   4.55   2.35   7.81   1.67   2.679   0.98   2.44   3.78   3.12   3.04   4.55   2.35   7.78   1.66   2.778   0.98   2.44   3.78   3.13   3.05   4.52   2.36   7.73   1.67   2.679   0.98   2.44   3.78   3.12   3.03   4.55   2.35   7.81   1.66   2.778   0.95   2.44   3.78   3.21   3.04   4.55   2.35   7.81   1.66   2.778   0.95   2.44   3.78   3.13   3.05   4.52   2.36   7.73   1.67   2.679   0.98   2.44   3.78   3.13   3.05   4.52   2.35   7.81   1.66   2.778   0.95   2.44   3.73   3.25   3.01   4.63   2.32   3.04   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.01   3.05   3.25   3.05   3.25   3.05   3.25   3.05   3.25   3.05   3.25											
230   3.96   301   3.19   417   2.50   676   1.81   1.786   1.12   231   3.95   3.02   3.18   419   2.49   682   1.80   1.829   1.11   232   3.93   3.04   3.17   421   2.48   688   1.79   1.875   1.10   233   3.92   3.05   3.16   424   2.47   604   1.78   1.923   1.10   2.34   3.91   3.06   3.15   426   2.46   701   1.77   1.974   1.08   2.35   3.89   307   3.14   429   2.45   708   1.76   2.027   1.07   2.26   3.88   3.99   3.13   431   2.44   714   1.75   2.083   1.06   2.277   3.73   2.206   1.04   2.24   2.28   1.73   2.206   1.04   2.24   2.28   1.73   2.206   1.04   2.24   3.81   3.11   436   2.42   728   1.73   2.206   1.04   2.24   3.81   3.15   3.08   441   2.40   743   1.71   2.344   1.02   2.273   3.01   2.24   3.80   3.15   3.08   444   2.39   750   1.70   2.419   1.01   2.41   2.42   3.80   3.15   3.06   4.59   2.2   2.273   3.04   4.52   2.2   2.273   3.04   2.45   2.2   2.273   3.04   2.45   2.2   2.											
231   3.95   302   3.18   419   2.49   682   1.80   1.829   1.11							2.50				
232   3,93   304   3.17   421   2.48   688   1.79   1.875   1.10		231					2.49	682			
233   392   305   316   424   247   694   1.78   1.923   1.09     234   391   306   315   426   246   701   1.77   1.974   1.08     235   3.89   307   3.14   429   2.45   708   1.76   2.027   1.07     236   3.88   309   3.13   431   2.44   714   1.75   2.083   1.06     237   3.87   310   3.12   434   2.43   721   1.74   2.143   1.05     238   3.85   311   311   436   2.42   728   1.73   2.206   1.04     239   3.84   312   3.10   439   2.41   735   1.72   2.273   1.03     240   3.83   314   309   441   2.40   743   1.71   2.344   1.02     241   3.81   315   3.08   444   2.39   750   1.70   2.419   1.01     242   3.80   316   307   446   2.38   758   1.69   2.500   1.00     243   3.79   318   306   452   2.36   773   1.67   2.679   0.98     244   3.78   319   305   452   2.36   773   1.67   2.679   0.98     245   3.76   321   3.04   455   2.35   781   1.66   2.778   0.97     246   3.74   3.23   3.02   460   2.33   798   1.64   3.000   0.95     247   3.74   3.23   3.02   460   2.33   798   1.64   3.000   0.95     248   3.73   325   3.01   463   2.32   806   1.63   3.125   0.94     249   3.71   326   3.00   466   2.31   815   1.62   3.261   0.94     250   3.70   328   2.99   469   2.30   824   1.61   3.409     251   3.69   329   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   330   2.74   475   2.28   843   1.59   3.750   0.90     251   3.69   329   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   3.30   2.94   484   2.25   872   1.56   4.412   0.87     253   3.67   332   2.96   478   2.27   852   1.58   3.947   0.89     254   3.63   3.33   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.30   2.94   484   2.25   872   1.56   4.412   0.87     253   3.67   332   2.96   478   2.27   852   1.58   3.947   0.89     254   3.63   3.35   2.94   484   2.25   872   1.56   4.88   0.86     255   3.64   3.35   2.94   484   2.25   872   1.56   4.88   0.86     256   3.63   3.35   2.94   484   2.25   872   1.56   4.88   0.86     257   3.62   3.38   2.92   4.99   2.21   9.93   1.50   0							2.48				
235   3.89   307   3.14   429   2.45   708   1.76   2.027   1.07     236   3.88   309   3.13   431   2.44   714   1.75   2.083   1.06     237   3.87   310   3.12   434   2.43   721   1.74   2.143   1.05     238   3.85   311   311   436   2.42   728   1.73   2.206   1.04     240   3.83   314   3.09   441   2.40   743   1.71   2.344   1.02     241   3.81   315   3.08   444   2.39   750   1.70   2.419   1.01     242   3.80   316   307   446   2.38   758   1.69   2.500   1.00     243   3.79   318   306   449   2.37   765   1.68   2.586   0.99     244   3.78   319   305   452   2.36   773   1.67   2.679   0.98     245   3.76   321   3.04   455   2.35   781   1.66   2.778   0.97     246   3.75   3.22   3.03   457   2.34   789   1.65   2.850   0.96     247   3.74   3.23   3.02   460   2.33   798   1.64   3.000   0.95     248   3.71   326   3.00   466   2.31   815   1.62   3.261   0.94     249   3.71   326   3.00   466   2.31   815   1.62   3.261   0.94     250   3.70   328   2.99   469   2.30   824   1.61   3.409     251   3.69   3.29   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   330   2.74   475   2.28   843   1.59   3.750   0.90     251   3.69   3.29   2.98   472   2.29   833   1.60   3.571   0.91     252   3.68   3.33   2.96   478   2.27   852   1.58   3.947   0.88     255   3.64   335   2.94   484   2.25   872   1.56   4.412   0.87     256   3.63   3.33   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.33   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.33   2.99   499   2.23   893   1.54   5.000   0.85     255   3.64   3.35   2.94   484   2.25   872   1.56   4.412   0.87     256   3.63   3.36   2.94   484   2.25   872   1.56   4.412   0.87     252   3.68   3.31   2.95   481   2.26   862   1.57   4.167   0.88     255   3.64   3.35   2.94   484   2.25   872   1.56   4.412   0.87     256   3.63   3.35   2.94   484   2.25   872   1.56   4.412   0.87     257   3.62   3.38   2.92   4.99   2.91   4.91   4.91   4.91     258   3.64   3.75   3.85   3.91   4.91   4.91					3.16						
2216   3.88   3.09   3.13   431   2.44   7.14   1.75   2.083   1.06											
237   387   310   3.12   434   243   721   1.74   2.143   1.05											
238   3.85   311   3.11   436   2.42   728   1.73   2.206   1.04											
239   3.84   312   3.10   439   2.41   735   1.72   2.273   1.03											
240   3.83   314   3.09   441   2.40   743   1.71   2.344   1.01											
241   3.81   315   3.08   444   2.39   750   1.70   2.419   1.01											
242   3.80   316   3.07   446   2.38   758   1.69   2.500   1.00											
243         3.79         318         3.06         449         2.37         765         1.68         2.586         0.99           244         3.76         321         3.04         455         2.35         781         1.66         2.78         0.97           246         3.76         321         3.04         455         2.35         781         1.66         2.78         0.97           247         3.74         323         3.02         460         2.33         798         1.64         2.885         0.96           248         3.73         325         3.01         466         2.31         815         1.62         3.60         0.92           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         333         2.96         478         2.27         852											
244         3.78         319         3.05         452         2.36         773         1.67         2.679         0.98           245         3.75         322         3.03         457         2.34         789         1.65         2.885         0.96           247         3.74         3.23         3.02         460         2.33         798         1.65         2.885         0.96           248         3.73         325         3.01         463         2.32         806         1.63         3.000         0.95           249         3.71         326         3.00         466         2.31         815         1.62         3.261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         3.65         333         2.96         478         2.27         852         1.58         3,947         0.89           253         3.67         332         2.96         481         2.26<											
245         3.76         321         3.04         455         2.35         781         1.66         2.778         0.97           246         3.75         3.24         789         1.64         3.000         95           248         3.73         325         3.01         463         2.32         806         1.63         3.125         0.94           249         3.71         326         3.00         466         2.31         815         1.62         3.261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         330         2.96         478         2.27         852         1.58         3,947         0.89           254         3.65         333         2.96         478         2.27         852         1.58         3,947         0.89           254         3.62         3.36         336         2.96         487         2.24         882         1.55         4,68 <th></th> <td></td>											
246         3.75         322         3.03         457         2.34         789         1.65         2.88         0.96           247         3.74         3.23         3.02         460         2.33         798         1.64         3.000         0.95           248         3.73         325         3.01         463         2.32         806         1.63         3.125         0.94           250         3.70         328         2.99         469         2.30         824         1.61         3.409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3.571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         332         2.96         478         2.27         852         1.58         3,947         0.89           255         3.64         335         2.94         484         2.24         882         1.55         4,668         0.86           257         3.62         338         2.92         490         2.23         893 <th></th> <td></td>											
247         3.74         323         3.02         460         2.33         798         1.64         3,000         0.94           249         3.71         326         3.00         466         2.31         815         1.62         3,261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,570         0.90           253         3.67         332         2.96         478         2.27         852         1.58         4,167         0.88           254         3.65         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.92         490         2.23         893 <th></th> <td></td>											
248         3.73         325         3.01         463         2.32         806         1.63         3,125         0.94           249         3.71         326         3.00         466         2.31         815         1.62         3.261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3.400         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3.571         0.91           252         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         332         2.96         478         2.27         852         1.58         3,947         0.89           254         3.63         3.63         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.64         333         2.91         487         2.24         882         1.55         4,412         0.87           257         3.62         333         2.91         490         2.23 </td <th></th> <td></td>											
249         3.71         326         300         466         231         815         1.62         3,261         0.93           250         3.70         328         2.99         469         2.30         824         1.61         3,409         0.92           251         3.69         329         2.98         472         2.29         833         1.60         3,571         0.91           253         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.66         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.64         335         2.94         484         2.25         872         1.56         4,412         0.87           256         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         3.88         2.92         490         2.23         893         1.54         4,688         0.86           258         3.61         339         2.91         493         2.22         904 <th></th> <td></td>											
250         3.70         328         2.99         469         2.30         824         1.61         3.409         0.92           251         3.68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3.67         332         2.96         478         2.27         852         1.58         3,947         0.89           254         3.63         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.64         333         2.94         484         2.25         872         1.56         4,412         0.88           256         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.89         500         2.20         926 <th></th> <td></td>											
251   3.69   329   2.98   472   2.29   833   1.60   3.571   0.91											
252         3,68         330         2.97         475         2.28         843         1.59         3,750         0.90           253         3,67         332         2.96         478         2.27         852         1.58         3,947         0.89           254         3,65         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3,64         335         2.94         484         2.25         872         1.56         4,412         0.87           256         3,63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3,62         338         2.92         490         2.23         893         1.54         5,000         0.82           258         3,61         339         2.91         493         2.22         904         1.53         5,357         0.84           259         3,60         341         2.90         497         2.21         915         1.52         5,769         0.83           261         3,57         344         2.88         503         2.19         937 <th></th> <td></td>											
253         3.67         332         2.96         478         2.27         852         1.58         3.947         0.89           254         3.65         333         2.95         481         2.26         862         1.57         4,167         0.88           255         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         493         2.22         904         1.53         5,357         0.83           259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.52         3.53         347         2.86         510         2.17 </td <th></th> <td></td>											
255         3.64         335         2.94         484         2.25         872         1.56         4.412         0.87           256         3.63         336         2.93         487         2.24         882         1.55         4,688         0.86           257         3.62         338         2.91         493         2.22         904         1.53         5,576         0.84           259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           266         3.52         353         2.83         521         2.14         1,000<		253	3.67	332			2.27		1.58	3,947	
256         3.63         336         2.93         487         2.24         882         1.55         4.688         0.86           257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         493         2.22         994         1.53         5,357         0.84           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.83         521         2.14         1,000<			3.65		2.95	481		862			0.88
257         3.62         338         2.92         490         2.23         893         1.54         5,000         0.85           258         3.61         339         2.91         493         2.22         904         1.53         5,357         0.84           260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           266         3.52         353         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14 </td <th></th> <td>255</td> <td></td> <td>335</td> <td>2.94</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		255		335	2.94						
258         3.61         339         2.91         493         2.22         904         1.53         5,357         0.84           259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         344         2.88         500         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.73           268         3.50         355         2.81         528         522         2											
259         3.60         341         2.90         497         2.21         915         1.52         5,769         0.83           260         3.59         342         2.88         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         353         352         2.81         521         2.14         1,000         1.45         12,500         0.76           267         3.51         355         2.81         528         2.2											
260         3.59         342         2.89         500         2.20         926         1.51         6,250         0.82           261         3.57         344         2.88         503         2.19         937         1.50         6,818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         352         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
261         3.57         344         2.88         503         2.19         937         1.50         6.818         0.81           262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         353         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           270         3.48         359         2.79         536         <											
262         3.56         346         2.87         507         2.18         949         1.49         7,500         0.80           264         3.54         349         2.85         514         2.16         974         1.47         9.375         0.78           265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         224         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.71           272         3.46         362         2.77         543         2.08											
263         3.55         347         2.86         510         2.17         962         1.48         8,333         0.79           264         3.54         3.59         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.76           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08 <th></th> <td></td>											
264         3.54         349         2.85         514         2.16         974         1.47         9,375         0.78           266         3.52         353         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           272         3.42         366         2.75         551         2.06 </th <th></th>											
265         3.53         350         2.84         517         2.15         987         1.46         10,714         0.77           266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.42         366         2.75         551         2.06<											
266         3.52         352         2.83         521         2.14         1,000         1.45         12,500         0.76           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7013           275         3.43         368         2.74         556         <											
267         3.51         354         2.82         524         2.13         1,014         1.44         15,000         0.75           268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.701           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.701           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.41         371         2.72         564         <											
268         3.50         355         2.81         528         2.12         1,027         1.43         18,750         0.74           269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564											
269         3.49         357         2.80         532         2.11         1,042         1.42         25,000         0.73           270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7015           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7015           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564											
270         3.48         359         2.79         536         2.10         1,056         1.41         37,500         0.72           271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7011           278         3.49         375         2.70         573											
271         3.47         361         2.78         540         2.09         1,071         1.40         75,000         0.71           272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7019           276         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           279         3.39         375         2.70         573 <th></th> <td></td>											
272         3.46         362         2.77         543         2.08         1,087         1.39         100,000         0.71           273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577											
273         3.45         364         2.76         547         2.07         1,103         1.38         200,000         0.7037           274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7019           276         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7007           282         3.36         381         2.67         5											
274         3.44         366         2.75         551         2.06         1,119         1.37         300,000         0.7025           275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7015           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7013           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> ,</td><td></td></td<>										,	
275         3.43         368         2.74         556         2.05         1,136         1.36         400,000         0.7019           276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293										,	
276         3.42         369         2.73         560         2.04         1,154         1.35         500,000         0.7015           277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27					2.74					400,000	
277         3.41         371         2.72         564         2.03         1,172         1.34         600,000         0.7013           278         3.40         373         2.71         568         2.02         1,190         1.33         700,000         0.7011           279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         800,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27           285         3.33         387         2.64         600         1.95         1,339         1.26           287         3.31		276	3.42		2.73	560	2.04	1,154			
279         3.39         375         2.70         573         2.01         1,210         1.32         800,000         0.7009           280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27           285         3.33         387         2.64         600         1.95         1,339         1.26           286         3.32         389         2.63         605         1.94         1,364         1.25           287         3.31         391         2.62         610         1.93         1,389         1.24           288         3.30         393         2.61         615         1.92         1,415 <th></th> <td></td> <td></td> <td></td> <td>2.72</td> <td></td> <td></td> <td></td> <td>1.34</td> <td></td> <td>0.7013</td>					2.72				1.34		0.7013
280         3.38         377         2.69         577         2.00         1,230         1.31         900,000         0.7008           281         3.37         379         2.68         581         1.99         1,250         1.30         1,000,000         0.7007           282         3.36         381         2.67         586         1.98         1,271         1.29           283         3.35         383         2.66         591         1.97         1,293         1.28           284         3.34         385         2.65         595         1.96         1,316         1.27           285         3.33         387         2.64         600         1.95         1,339         1.26           286         3.32         389         2.63         605         1.94         1,364         1.25           287         3.31         391         2.62         610         1.93         1,389         1.24           288         3.30         393         2.61         615         1.92         1,415         1.23           290         3.29         395         2.60         620         1.91         1,442         1.22					2.71			1,190			
281     3.37     379     2.68     581     1.99     1,250     1.30     1,000,000     0.7007       282     3.36     381     2.67     586     1.98     1,271     1.29       283     3.35     383     2.66     591     1.97     1,293     1.28       284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     <											
282     3.36     381     2.67     586     1.98     1,271     1.29       283     3.35     383     2.66     591     1.97     1,293     1.28       284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17 <th></th> <td></td>											
283     3.35     383     2.66     591     1.97     1,293     1.28       284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17								1,250		1,000,000	0.7007
284     3.34     385     2.65     595     1.96     1,316     1.27       285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17								1,271			
285     3.33     387     2.64     600     1.95     1,339     1.26       286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
286     3.32     389     2.63     605     1.94     1,364     1.25       287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
287     3.31     391     2.62     610     1.93     1,389     1.24       288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
288     3.30     393     2.61     615     1.92     1,415     1.23       290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
290     3.29     395     2.60     620     1.91     1,442     1.22       291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
291     3.28     397     2.59     625     1.90     1,471     1.21       292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
292     3.27     399     2.58     630     1.89     1,500     1.20       293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
293     3.26     401     2.57     636     1.88     1,531     1.19       294     3.25     403     2.56     641     1.87     1,563     1.18       295     3.24     405     2.55     647     1.86     1,596     1.17											
294 3.25 403 2.56 641 1.87 1,563 1.18 295 3.24 405 2.55 647 1.86 1,596 1.17											
295 3.24 405 2.55 647 1.86 1,596 1.17											
					2.54						

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Codo	Description
Code	Description
11	NOT ASSESSD SEPARATE
12 13	SUBDIVIDED POST ASMT IMPROVED POST SALE
13	IMPROVED POST SALE IMPROVED POST ASMT
15	IMPRVMNT U/C AT ASMT
16	L/O ASMT - L/B SALE
17	L/B ASMT - L/O SALE
18	MULTIPLE PARCELS
19	NON-PRICE MPC
20 21	MULTI-TOWN PROPERTY MPC-CAN SELL SEPRTLY
21 22	INDETERMINATE PRICE
23	NO STAMP PER DEED
24	ABUTTER SALE
25	INSUFCNT MKT EXPOSUR
26	MINERAL RIGHTS ONLY
27	LESS THAN 100% INT
28 29	LIFE EST/DEFER 1YR+ PLOTAGE/ASMBL IMPACT
30	TIMESHARE
31	EASEMENT/BOATSLIPS
32	TIMBER RIGHTS
33	LNDLRD/TENANT SALE
34	PUBLIC UTIL GRNTR/E
35 36	GOVMT AGENCY GRNTR/E REL/CHAR/EDU GRNTR/E
37	FINANCIAL CO GRNTR/E
38	FAMILY/RELAT GRNTR/E
39	DIVORCE PRTY GRNTR/E
40	BUSIN AFFIL GRNTR/E
44	NONMKT TRUST GRNTR/E
45 46	BOUNDARY ADJUSTMT DEED TO QUIET TITLE
47	OTHR SALE OF CONVENC
48	COURT/SHERIFF SALE
49	DEED INLIEU FORECLSR
50	TAX SALE
51	FORECLOSURE
52	OTHER FORCED SALE
55 56	UNSPECFIED DEED CONV OTHER DOUBTFUL TITLE
57	LARGE VALUE IN TRADE
58	INSTALLMENT SALE
59	UNFINISH COMMON PROP
60	UNIDENT IN ASSR RECS
66 67	COMPLEX COMMRCL SALE UNK PERSONAL PROPRTY
68	MTGE TERMS UNKNOWN
69	LEASE W/ UNK TERMS
70	BUYR/SELR COST SHIFT
77	ASSMNT ENCUMBRANCES
80	SUBSID/ASSIST HOUSNG
81 82	ESTATE SALE/FDCY COV DEED DATE OLD/INCMPL
87	XS LOCALE IN SAMPLE
88	XS PRP TYP IN SAMPLE
89	RESALE IN EQ PERIOD
90	RSA 79-A CURRENT USE
97	RSA 79-B CONSRV ESMT
98 99	SALE RELATD ASMT CHG UNCLASSFYD EXCLUSION
,,	CHOLHOU I D LACEOUON

### SECTION 10

### WATERFRONT, VIEW & BUILDING GRADE INFORMATION

- A. WATERFRONT
- **B. VIEW REPORT**
- C. BUILDING GRADE REPORT

FOLLOWED BY PICTURE CATALOG

### A. WATERFRONT

Grading waterfront, although somewhat objective due to the amount of waterfront, topography and presence or lack of a beach, the overall value different buyers are willing to spend for the same property varies dramatically due to individual likes and dislikes making the purchase somewhat emotional and to a degree subjective. This makes the assessing process more subjective than one may like, but it is a fact that buying and selling of property is not 100% objective.

Although the total market value of the property is expressed or displayed in separate parts, such as land, building, views and waterfront, it is the total value of the property that is most important. You may feel the view, waterfront, building or land is high or low, but if the total value represents market value and is equitable with similar properties, then your assessment is reasonable and fair.

The quality and desirability of waterfront varies widely as does the value attributed to various bodies of water and even the same body of water in two different municipalities.

Topography and access to the site, as well as to the waterfront itself varies and can greatly affect the market value. Because of this, it is rare to find two properties that are identical and as such adjustments must be made for water quality and access based on 3<sup>rd</sup> party data such as, NH DES when sales are lacking or limited.

Despite the possible lack of sales data, the assessor must still produce an equitable opinion of value for each and every property in town; sometimes making subjective adjustments for differences from property to property for what they feel affects the market value positively and/or negatively. This unfortunately may not always be demonstrated in sales data due to the lack of sales, so experience and common sense play a large part in this process, when local direct sales are lacking.

Waterfront	<b>Base Value</b>	Undeveloped	Water Access Only
Powder Mill Pond, 434 acres Weeds & stumps Mean depth 4' Maximum depth 17.3'	\$20,000	\$16,000	\$10,000
Otter Lake, 61 acres Weeds common, shoals 80% Mean depth 7.2', Maximum depth 15'	\$120,000	\$96,000	\$25,000
Sunset Lake, 31 acres Weeds common, shoals 80% Mean depth 10' Maximum depth 24.9'	\$65,000	\$35,000	\$20,000
Whittemore Lake, 55 acres Plants common Maximum depth 49.8'	\$50,000	\$35,000	\$15,000

\$30,000

\$24,000

\$7,500

Weeds common, shoals 40% Maximum depth 17'

### Waterfront Adjustments

Adjustments for distance to water and topography vary based upon the field reviewer's observations. The adjustment for the road bisecting the lot with the dwelling on the opposite side of the road is -20. No adjustment is made for the road bisecting the lot with the dwelling on the lake side of the road. Adjustments for non-residential uses vary. Boat docks serving residential properties are not separately assessed.

### **Powder Mill Pond**

Adjustments attributed to the varying lots on Powder Mill Pond consisting of water frontage above and below the determined average of 400 to 600 feet, are as follows:

50 - 399	-20
601 - 1,200	+20
1,201 +	varies

### Otter Lake

Adjustments attributed to the varying lots on Otter Lake consisting of water frontage above and below the determined average of 1,800 to 2,200 feet, are as follows:

### **Sunset Lake**

Adjustments attributed to the varying lots on Sunset Lake consisting of water frontage above and below the determined average of 76 to 125 feet, are as follows:

10 - 25	-20
26 - 50	-10
51 - 75	-05
126 - 175	+10
176 - 225	+15
226 - 300	+20
300 +	varies

### **Whittemore Lake**

Adjustments attributed to the varying lots on Whittemore Lake consisting of water frontage above and below the determined average of 61 to 120 feet, are as follows:

### Zephyr Lake

Adjustments attributed to the varying lots on Zephyr Lake consisting of water frontage above and below the determined average of 91 to 125 feet, are as follows:

50 - 90	-5
126 - 175	+5
176 - 225	+10
226 - 300	+15
301 +	varies

### **Greenfield Waterfront Report**

**Sorted By Waterfront Value** 



**Map Lot Sub:** 0000S2 000009 000000 **Location:** SUNSET LAKE ROAD

Owner: EATON, RICHARD D

Waterfront Value: \$ 3,300

Notes: NBD-SHAPE WF



 Map Lot Sub:
 0000S1 000016 000000

 Location:
 23 ICE HOUSE LANE

Owner: GARNHAM, KENNETH J

Waterfront Value: \$ 7,500

Notes: WA WF



**Map Lot Sub:**  $0000S1\ 000018\ 000000$ 

**Location:** 10 YANKEE WAY

Owner: HANNINGS, ROBERT D

Waterfront Value: \$ 7,500

Notes: WA WF



**Map Lot Sub:** 0000S1 000022 000000 Location: 125 ZEPHYR LAKE ROAD Owner: SZYMANOWSKI, MICHAEL J.

Waterfront Value: \$ 7,500

Notes: WA WF DTW



Map Lot Sub: 0000S1 000022 000001

Location: 131 ZEPHYR LAKE ROAD Owner: SHERMAN-SR, BRADLEY A

Waterfront Value: \$ 7,500

Notes: WA WF DTW



Map Lot Sub: 0000S1 000024 000000 Location: 141 ZEPHYR LAKE ROAD

Owner: HAGGERTY, GARY

Waterfront Value: \$ 7,500

Notes: DTW WA WF



Map Lot Sub: 0000S1 000025 000000

Location: 145 ZEPHYR LAKE ROAD Owner: ROBERSON, CHARLES W

Waterfront Value: \$ 7,500

Notes: DTW WA WF



Map Lot Sub: 0000S1 000027 000000
Location: 155 ZEPHYR LAKE ROAD
Owner: VINCENT, PELAGIA

Waterfront Value: \$ 7,500

Notes: DTW WF WA



**Map Lot Sub:** 00000S1 000029 0000000 **Location:** 165 ZEPHYR LAKE ROAD

Owner: CABLE, HARVEY M

Waterfront Value: \$ 7,500

Notes: WA WF



Map Lot Sub: 0000R3 000001 000004
Location: FOREST/COUNTY ROAD
Owner: MOORE, BARBARA A.

Waterfront Value: \$ 10,000

**Notes:** RF/LWF/ACC



 Map Lot Sub:
 0000S1 000014 000000

 Location:
 34 ICE HOUSE LANE

Owner: BRODEUR, CHERI MAKI

Waterfront Value: \$ 12,000

Notes: WF/SWAMP



 $\textbf{Map Lot Sub:} \ \ 0000R1 \ 000001 \ 00GRVL$ 

**Location:** 563 OLD BENNINGTON ROAD **Owner:** CILLEY, RAYMOND M TRUSTEE

Waterfront Value: \$ 14,000

**Notes:** WF XSWF/DTW



**Map Lot Sub:** 0000S1 000015 000000

**Location:** 30 ICE HOUSE LANE **Owner:** YOUNG, KENNETH J.

Waterfront Value: \$ 18,000

Notes: WF/COVE/TOPO



**Map Lot Sub:** 0000R1 000015 000000

Location: 415 OLD BENNINGTON ROAD

Owner: HALEY, JOHN J.

Waterfront Value: \$ 20,000

Notes: WF



Map Lot Sub: 0000S1 000017 000000

**Location:** 26 ICE HOUSE LANE

Owner: BOILARD, DIANE M.

Waterfront Value: \$ 21,000

Notes: WF/USE



**Map Lot Sub:** 0000S3 000002 000000 **Location:** 17 GEORGE LANE

Owner: HALLORAN FAMILY REALTY TRUST

Waterfront Value: \$ 28,400

**Notes:** WF C NOTES



 $\textbf{Map Lot Sub:} \ \ 00000R3 \ \ 000001 \ \ 000003$ 

Location: FOREST ROAD

Owner: LOSCOCCO TRUSTEE, WILLIAM J.

Waterfront Value: \$ 35,000

Notes: WF/UND/XSWF/RF



Map Lot Sub: 0000R3 000001 000000

**Location:** FOREST/OLD BENN. RDS

Owner: N.H., STATE OF FISH & GAME

Waterfront Value: \$ 40,000

Notes: WF



**Map Lot Sub:** 0000S3 000004 000000

Location: 22 HIGGINS LANE

Owner: CALL, MARIAN B TRUSTEE ET AL

Waterfront Value: \$ 40,000

Notes: WF CNOTES



Map Lot Sub: 0000R7 000028 000000
Location: GREENVALE CEMETERY
Owner: GREENFIELD, TOWN OF

Waterfront Value: \$ 45,000

**Notes:** WF TOPO/XSFF



Map Lot Sub: 0000S3 000003 000000
Location: 8 GEORGE LANE
Owner: RUBBICCO, SUSAN

Waterfront Value: \$ 50,000

**Notes:** WF C NOTES



 $\textbf{Map Lot Sub:} \ \ 0000S2 \ 000018 \ 000000$ 

**Location:** 11 HEBE LANE

Owner: CRAFT, TAMMY M. ET AL

Waterfront Value: \$ 58,500

Notes: WF/LWF



Map Lot Sub: 0000S2 000021 000000

Location: 11 KYES LANE

Owner: HOOVER, ALFRED

Waterfront Value: \$ 58,500

Notes: WF/LWF



Map Lot Sub: 0000S2 000002 000000
Location: 17 SUNSET LAKE ROAD
Owner: PARROTT, CHARLES R.

Waterfront Value: \$ 61,800

**Notes:** WF/LWF

 Most Recent Sale:
 04/18/12
 8417/2651
 Q I
 \$138,200

 Current Assessment:
 \$144,300

**Map Lot Sub:**  $0000S2\ 000005\ 000000$ 

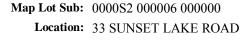
Location: 27 SUNSET LAKE ROAD

Owner: STOUT, NEAL J.

Waterfront Value: \$ 61,800



**Notes:** WF/LWF



Owner: ROBBINS, STEPHEN C.

Waterfront Value: \$ 61,800



**Notes:** WF/LWF



Map Lot Sub: 0000S2 000007 000000

Location: 35 SUNSET LAKE ROAD

Owner: MILES, CHERYL P. TRUSTEE

Waterfront Value: \$ 61,800

Notes: WF/LWF



**Map Lot Sub:** 0000S2 000022 000000

Location: 13 KYES LANE

Owner: PROCTOR, ALYSSUM I, TRUSTEE

Waterfront Value: \$ 61,800

Notes: WF/LWF



**Map Lot Sub:** 0000S2 000004 000000

Location: 25 SUNSET LAKE ROAD

Owner: BROWN, NEAL C. TRUSTEE

Waterfront Value: \$ 65,000

Notes: WF



Map Lot Sub: 0000S2 000008 000000

**Location:** 37 SUNSET LAKE ROAD

Owner: SELLING, ROBERT M

Waterfront Value: \$ 65,000

Notes: WF



Map Lot Sub: 0000S2 000011 000000

**Location:** 45 SUNSET LAKE ROAD

Owner: BURNS, CHARLES M.

Waterfront Value: \$ 65,000

Notes: WF

Date Book/Page

Type Price

**Most Recent Sale:** 07/23/12 8449/2577

QΙ

\$189,900

**Current Assessment:** 

\$184,300



 $\textbf{Map Lot Sub:} \ \ 0000S2 \ 000016 \ 000000$ 

**Location:** 9 HEBE LANE

Owner: WHEELER, JUDSON B.

Waterfront Value: \$ 65,000



 Date
 Book/Page
 Type
 Price

 Most Recent Sale:
 03/06/14 8644/1304
 Q I
 \$163,300

Current Assessment: \$152,100

**Map Lot Sub:** 0000S2 000027 000000 **Location:** 97 SUNSET LAKE ROAD

Owner: ERCOLINE, PUTNAM J. TRUSTEE

Waterfront Value: \$ 65,000

Notes: WF



Map Lot Sub: 0000S2 000028 000000

**Location:** 99 SUNSET LAKE ROAD

Owner: FERRELL, JOHN M.

Waterfront Value: \$ 65,000

Notes: WF



**Map Lot Sub:** 0000S2 000013 000000

Location: 55 SUNSET LAKE ROAD

Owner: DRAPER, BONNIE L. TRUSTEE

Waterfront Value: \$ 71,500



Notes: WF/XSWF



Map Lot Sub: 0000S2 000012 000000
Location: 51 SUNSET LAKE ROAD
Owner: FACCIDOMO, MICHAEL J.

Waterfront Value: \$ 74,800

**Notes:** WF/XSWF



Map Lot Sub: 0000S2 000015 000000

**Location:** 5 HEBE LANE

Owner: WEAVER, FRED R.

Waterfront Value: \$81,300

**Notes:** WF/USE



Map Lot Sub: 0000S1 000030 000000 Location: ZEPHYR LAKE BEACH

Owner: GREENFIELD, TOWN OF

Waterfront Value: \$ 90,000

Notes: WF



 $\textbf{Map Lot Sub:} \ \ 0000R4 \ 000002 \ 000000$ 

Location: 90 COUNTY ROAD

Owner: BLAKEMORE, RICHARD

Waterfront Value: \$ 108,000

Notes: WF/LWF



**Map Lot Sub:** 0000R2 000011 000004

Location: 327 CROTCHED MTN ROAD

Owner: CROTCHED MOUNTAIN FOUNDATION

Waterfront Value: \$ 130,000

Notes: WF USE



Map Lot Sub: 0000S2 000032 000000

**Location:** 50 CROTCHED MTN ROAD **Owner:** GREENFIELD, TOWN OF

Waterfront Value: \$ 325,000

Notes: WF/USE/XSWF



**Map Lot Sub:**  $0000R4\ 000052\ 000000$ 

Location: CAMPGROUND ROAD

Owner: GREENFIELD STATE PARK

Waterfront Value: \$ 750,000

Notes: WF



**Map Lot Sub:** 0000R4 000052 000000

Location: CAMPGROUND ROAD

Owner: GREENFIELD STATE PARK

Waterfront Value: \$ 750,000

Notes: WF



**Map Lot Sub:** 00000R1 000011 000000 **Location:** 64 WALLY STONE LANE

Owner: HARRIS, BARBARA C. CAMP &

Waterfront Value: \$ 900,000

Notes: XSWF/USE



**Map Lot Sub:** 00000R1 000011 000000 **Location:** 64 WALLY STONE LANE

Owner: HARRIS, BARBARA C. CAMP &

Waterfront Value: \$ 900,000

**Notes:** WF IN ABOVE



**Map Lot Sub:** 0000R1 000011 000000

**Location:** 64 WALLY STONE LANE

Owner: HARRIS, BARBARA C. CAMP &

Waterfront Value: \$ 900,000

Notes: WF IN ABOVE

### **B. VIEWS**

Views, by their nature are subjective. However, isn't buying and selling of real estate also subjective? Is it not all based on the likes and dislikes of the market? And, do we not all like and dislike differently?

While there are some subjective measures involved in buying and selling of real estate, a large portion of the purchase price is based on likes and dislikes and the emotion of the buyer and seller.

Like land and building values, the contributory value of a view is extracted from the actual sales data. If you review Section 7, you can see how these values are developed, when sales data is available. However, it is a known fact and part of historical sales data, that views can and do contribute to the total market value. The lack of sales data in any particular neighborhood of properties with views does not mean views have no contributing value but rather that the need for the use of historic data, experience and common sense must prevail.

Once various views are analyzed and the market contributory value extracted, the assessor can then apply that value whenever the same view occurs, similar to land and building values. That part is easy. It becomes more difficult when more or less substantial views or total different views are found in the town then were found in the sales data. When this occurs, the assessor, using all the sales data available, must then give an opinion of the value of this new view, grading it better or worse than the sales data and making an appropriate value adjustment. Here experience and common sense play a large part in this process.

The following report of all views is provided, to show consistency in the application of views, as well as document the contributory value assessed in each one.

### Views

There are 89 out of 1,006 total properties that have views associated with them. Views of substantially greater degree, depth, width and subject matter were found during the field review and while not all were represented by local sales, they were clearly of value and needed to be addressed. Comparing pictures of the sales to these properties and drawing upon our experience from surrounding areas, we developed an opinion of the contributory value of those views.

### **Greenfield View Report**

**Sorted By View Value** 



Map Lot Sub: 0000R2 000008 000000

**Location:** 44 CART LANE

Owner: CROTCHED MOUNTAIN FOUNDATION

View Value: \$ 0

Subject: MOUNTAINSWidth: TUNNELDepth: TOP 25Distance: DISTANT

Notes: MOSTLY BLOCKED VU



**Map Lot Sub:**  $0000R9 \ 000028 \ 000000$ 

**Location:** 51 THOMAS DRIVE

Owner: RAVENWOOD REVOC. TRUST

View Value: \$ 0
Subject: HILLS
Width: TUNNEL
Depth: TOP 25

**Distance:** CLOSE/NEAR

Notes: mostly BLOCKED VU



Map Lot Sub: 0000R9 000069 000000

Location: 86 MOUNTAIN ROAD

Owner: BONNER, JOHN T

View Value: \$800 Subject: HILLS Width: TUNNEL Depth: TOP 25

**Distance:** CLOSE/NEAR

**Notes:** 



Map Lot Sub: 0000S5 000021 000000 Location: 104 GOULD HILL ROAD Owner: ANDERSON, EDWARD J.

View Value: \$ 800

Subject: MOUNTAINSWidth: TUNNELDepth: TOP 25

**Distance:** CLOSE/NEAR **Notes:** part BLOCKED VU



Map Lot Sub: 0000R4 000041 000005 Location: 32 KNOTWOOD DRIVE Owner: POLITO, MARK E.

**View Value:** \$ 1,600

Subject: MOUNTAINSWidth: TUNNELDepth: TOP 25Distance: DISTANT

Notes: PART BLOCKED VU



**Map Lot Sub:** 00000R5 000034 000004 **Location:** 105 EAST ROAD

Owner: THOMSON, GEORGE G.

View Value: \$ 2,400 Subject: HILLS Width: NARROW Depth: TOP 25

**Distance:** CLOSE/NEAR

Notes: VU



**Map Lot Sub:** 0000R7 000005 0002-2 **Location:** 16 BRASHLYN LANE

Owner: HALL, BRIAN K.

View Value: \$ 2,400 Subject: HILLS Width: NARROW Depth: TOP 25 Distance: CLOSE/NEAR

**Notes:** 



Map Lot Sub: 0000R7 000011 000000

Location: 90 DUNKLEE HILL ROAD

Owner: PLOURDE, DAVID R.

View Value: \$ 2,400
Subject: HILLS
Width: NARROW
Depth: TOP 25
Distance: CLOSE/NEAR

Notes: VU



**Map Lot Sub:** 0000R9 000039 000000

**Location:** 62 FOREST ROAD **Owner:** HEDRICH, EVAN

View Value: \$ 2,400 Subject: HILLS Width: NARROW Depth: TOP 25

**Distance:** CLOSE/NEAR

Notes: CLOSE HILLSIDE VU

 Date
 Book/Page
 Type
 Price

 Most Recent Sale:
 03/29/13 8543/0243
 Q I
 \$250,000

 Current Assessment:
 \$244,700



Map Lot Sub: 0000R9 000039 000001 Location: 70 FOREST ROAD Owner: TURNER, PAMELA S

View Value: \$ 2,400 Subject: HILLS Width: NARROW Depth: TOP 25

**Distance:** CLOSE/NEAR

Notes: CLOSE HILLSIDE VU



**Map Lot Sub:** 0000S5 000015 000000

**Location:** 30 LONGWOOD DRIVE

Owner: DOHERTY, ERIN C.

View Value: \$ 2,400 Subject: HILLS Width: TUNNEL Depth: TOP 75

**Distance:** CLOSE/NEAR



Map Lot Sub: 0000R4 000041 000000 Location: 30 KNOTWOOD DRIVE Owner: MEAGHER, ROBERT M.

View Value: \$ 3,200

Subject: MOUNTAINSWidth: TUNNELDepth: TOP 25Distance: DISTANT

Notes: VU



Map Lot Sub: 0000R4 000041 000006
Location: 44 KNOTWOOD DRIVE
Owner: SETARO, CHARLES

View Value: \$ 3,200

Subject: MOUNTAINSWidth: TUNNELDepth: TOP 25Distance: DISTANT

Notes: VU



**Map Lot Sub:** 0000R4 000042 000000

Location: 21 PETERBOROUGH ROAD

Owner: BELMORE, JOAN F.

**View Value:** \$ 3,200

Subject: MOUNTAINSWidth: TUNNELDepth: TOP 25Distance: DISTANT

Notes: VU



**Map Lot Sub:** 0000R5 000007 0001-3

**Location:** 336 FRANCESTOWN ROAD **Owner:** VECCHIONE, KIMBERLY L.

**View Value:** \$ 3,200

Subject: MOUNTAINSWidth: TUNNELDepth: TOP 50Distance: DISTANT

Notes: part blocked vu



**Map Lot Sub:** 0000R5 000008 000000 **Location:** 347 FRANCESTOWN ROAD

Owner: GILL, WILLIAM R.

View Value: \$ 3,200

Subject: MOUNTAINSWidth: NARROWDepth: TOP 25

**Distance:** CLOSE/NEAR

Notes: VU THRU P-LINES



Map Lot Sub: 0000R5 000022 000001

Location: PINE RIDGE ROAD

Owner: GUISLIN, LAURIE N

View Value: \$ 3,200 CU

Subject: MOUNTAINSWidth: TUNNELDepth: TOP 25Distance: DISTANT

Notes: VU



**Map Lot Sub:** 0000R5 000029 000002

**Location:** 415 EAST ROAD

Owner: LOCKWOOD, SEBASTIAN C.

View Value: \$ 3,200
Subject: HILLS
Width: TUNNEL
Depth: FULL 100%
Distance: CLOSE/NEAR

Notes: VU



Map Lot Sub: 0000R7 000024 0001-1

**Location:** 43 FLETCHER FARM ROAD

Owner: FLETCHER, JAMES G

**View Value:** \$ 3,200

**Subject:** MOUNTAINS **Width:** TUNNEL

**Depth:** TOP 50

**Distance:** CLOSE/NEAR

Notes: 2 DIR VU



Map Lot Sub: 0000R9 000072 000002
Location: 12 WHITNEY DRIVE
Owner: PLOWSHARE FARM, INC.

View Value: \$ 3,200
Subject: HILLS
Width: NARROW
Depth: TOP 50

**Distance:** CLOSE/NEAR **Notes:** thru p-lines



Map Lot Sub: 0000R5 000008 000003

**Location:** 391 FRANCESTOWN ROAD **Owner:** BILSBOROUGH, JOHN

View Value: \$ 4,000 Subject: HILLS Width: AVERAGE Depth: TOP 25

**Distance:** CLOSE/NEAR

Notes: VU



Map Lot Sub: 0000R5 000027 000000

Location: 259 EAST ROAD

Owner: LEHNER, MICHAEL C. TRUSTEE

**View Value:** \$ 4,000

Subject: MOUNTAINSWidth: NARROWDepth: TOP 25

**Distance:** CLOSE/NEAR

Notes: VU



**Map Lot Sub:** 0000R5 000030 000000

Location: 23 DODGE ROAD

Owner: MCMAHON, FRANCIS A.

View Value: \$ 4,000 Subject: HILLS

Width: NARROW Depth: TOP 50

**Distance:** CLOSE/NEAR





Location: 324 SLIP ROAD
Owner: BORDEN, MICHAEL

View Value: \$ 4,000

Subject: MOUNTAINS
Width: NARROW
Depth: TOP 25
Distance: DISTANT

Notes: part blocked vu



Map Lot Sub: 0000R7 000024 000001

**Location:** 94 FLETCHER FARM ROAD **Owner:** PENNOYER, SHELDON K.

View Value: \$ 4,000 Subject: HILLS Width: NARROW Depth: TOP 50

**Distance:** CLOSE/NEAR **Notes:** 2 DIRECTION VU



Map Lot Sub: 0000S5 000012 000000

Location: 45 LONGWOOD DRIVE

Owner: GUINN, DALE F

View Value: \$ 4,000
Subject: HILLS
Width: NARROW
Depth: TOP 50

**Distance:** CLOSE/NEAR

Notes: VU



**Map Lot Sub:** 0000S5 000013 000000

 $\textbf{Location:} \ \ 58 \ LONGWOOD \ DRIVE$ 

Owner: GIBBONS, DANIEL S

View Value: \$ 4,000 Subject: HILLS Width: AVERAGE

Depth: TOP 25

**Distance:** CLOSE/NEAR

**Notes:** 



Map Lot Sub: 000R10 000007 000000 Location: 34 WHITNEY DRIVE Owner: PLOWSHARE FARM, INC.

View Value: \$ 4,800
Subject: HILLS
Width: WIDE
Depth: TOP 25

**Distance:** CLOSE/NEAR

Notes: VU



Map Lot Sub: 0000R1 000015 000000

Location: 415 OLD BENNINGTON ROAD

Owner: HALEY, JOHN J.

View Value: \$ 6,400
Subject: HILLS
Width: NARROW
Depth: TOP 75

**Distance:** CLOSE/NEAR

Notes: VU



Map Lot Sub: 0000R9 000061 000002 Location: 33 PLOWSHARE LANE Owner: PLOWSHARE FARM, INC.

View Value: \$ 6,400 Subject: HILLS Width: NARROW Depth: TOP 75

**Distance:** CLOSE/NEAR **Notes:** HILLSIDE VU



**Map Lot Sub:** 0000R4 000010 000000

**Location:** 181 FRANCESTOWN ROAD **Owner:** LAWTON, ANTHONY L.

**View Value:** \$ 7,200

Subject: LAKES/PONDSWidth: AVERAGEDepth: FULL 100%Distance: CLOSE/NEAR

Notes: PART BLOCKED



**Map Lot Sub:** 0000R4 000023 000003 **Location:** 1181 FOREST ROAD

Owner: FLAGG, TERRY

View Value: \$ 7,200
Subject: HILLS
Width: AVERAGE
Depth: TOP 25
Distance: DISTANT

Notes: VU



**Map Lot Sub:** 0000R5 000007 000000

**Location:** 315 FRANCESTOWN ROAD **Owner:** HARWOOD, MATTHEW R.

View Value: \$ 7,200
Subject: HILLS
Width: AVERAGE
Depth: TOP 50
Distance: CLOSE/NEAR

Notes: VU



Map Lot Sub: 0000R5 000007 000002
Location: FRANCESTOWN ROAD
Owner: HARWOOD, MATTHEW R.

View Value: \$ 7,200 CU

Subject: HILLS
Width: AVERAGE
Depth: TOP 50
Distance: CLOSE/NEAR

Notes: VU



**Map Lot Sub:** 0000R5 000009 000000

Location: 445 FRANCESTOWN ROAD

Owner: WILLIAMS, ROGER L.

**View Value:** \$ 7,200

Subject: MOUNTAINS
Width: AVERAGE
Depth: TOP 25
Distance: DISTANT

Notes: part blocked VU



Map Lot Sub: 0000R5 000022 000000
Location: 49 PINE RIDGE ROAD
Owner: PAULSEN, KENNETH D.

**View Value:** \$ 7,200

Subject: MOUNTAINSWidth: AVERAGEDepth: TOP 25Distance: DISTANT

Notes: VU THRU P-LINES



**Map Lot Sub:** 0000R9 000044 000001

Location: 60 SCHOOL HOUSE ROAD

Owner: BOUCHER, RICHARD R. TRUSTEE

View Value: \$ 7,200
Subject: HILLS
Width: AVERAGE
Depth: TOP 50

**Distance:** CLOSE/NEAR

Notes: hill VU



 $\textbf{Map Lot Sub:} \ \ 0000S5 \ 000020 \ 000000$ 

Location: 106 GOULD HILL ROAD

Owner: ELLIOTT, JESSIE B. TRUSTEE

View Value: \$ 7,200
Subject: HILLS
Width: AVERAGE
Depth: TOP 50

**Distance:** CLOSE/NEAR

Notes: VU



**Map Lot Sub:** 0000R4 000025 000000

Location: 1093 FOREST ROAD

Owner: MCMURRAY, KEVIN TRUSTEE

**View Value:** \$ 8,000

Subject: MOUNTAINSWidth: NARROWDepth: TOP 25Distance: DISTANT

**Notes:** 



**Map Lot Sub:** 0000R4 000038 000000 **Location:** 57 PETERBOROUGH ROAD

Owner: MERZI, MICHAEL E.

**View Value:** \$ 8,000

Subject: MOUNTAINSWidth: NARROWDepth: TOP 25Distance: DISTANT

Notes: VU



Map Lot Sub: 0000R4 000042 0002-1

**Location:** 1 PETERBOROUGH ROAD **Owner:** GAGNON, JEREMY JOSEPH

**View Value:** \$ 8,000

Subject: MOUNTAINSWidth: NARROWDepth: TOP 25Distance: DISTANT

Notes: VU



Map Lot Sub: 0000R5 000020 000000

Location: 264 FRANCESTOWN ROAD

Owner: MAYER, PATRICK J

**View Value:** \$ 8,000

Subject: MOUNTAINS
Width: NARROW
Depth: TOP 25

**Distance:** DISTANT **Notes:** VU

Date Book/Page Type Price

**Most Recent Sale:** 12/28/12 8510/2303 Q I \$168,000

**Current Assessment:** 

Map Lot Sub: 0000R6 000023 000001

Location: 325 SLIP ROAD

Owner: MCCANDLESS-KNIGHT, S.M.

**View Value:** \$ 8,000

Subject: MOUNTAINS
Width: NARROW
Depth: TOP 25

Distance: DISTANT

Notes: VU



\$174,000



**Map Lot Sub:**  $0000R6\ 000023\ 000003$ 

Location: SLIP ROAD

Owner: MCCANDLESS-KNIGHT, SUSAN

View Value: \$8,000 CU

Subject: MOUNTAINSWidth: NARROWDepth: TOP 25Distance: DISTANT

Notes: VU



Map Lot Sub: 0000R7 000005 000001

**Location:** EAST ROAD

Owner: PERRON, MICHELE M.
View Value: \$ 8,000 CU

Subject: MOUNTAINSWidth: NARROWDepth: TOP 25Distance: DISTANT

Notes: VU

 Date
 Book/Page
 Type
 Price

 Most Recent Sale:
 03/19/14 8646/2668
 Q V
 \$57,000

 Current Assessment:
 \$60,800

**Map Lot Sub:** 0000V3 000023 000000 **Location:** 749 FOREST ROAD

Owner: MANGINI-JR., VICTOR ET AL

View Value: \$ 8,000

Subject: MOUNTAINS
Width: NARROW
Depth: TOP 50
Distance: DISTANT
Notes: w/p-lines VU



Map Lot Sub: 0000R5 000028 000000

Location: 341 EAST ROAD

Owner: CARBEE, SHELDON TRUSTEE

View Value: \$ 10,400
Subject: HILLS
Width: WIDE
Depth: TOP 50

**Distance:** CLOSE/NEAR





 $\textbf{Map Lot Sub:} \ \ 0000R7 \ 000024 \ 000003$ 

**Location:** 81 FLETCHER FARM ROAD **Owner:** PENNOYER, SHELDON K.

View Value: \$ 10,400 Subject: HILLS

Width: WIDE

Depth: TOP 50

**Distance:** CLOSE/NEAR

Notes: HILL VU



Map Lot Sub: 0000R9 000056 000000

Location: 32 NORTH PACK LANE

Owner: RUSSELL, GARY S.

View Value: \$ 11,200 Subject: HILLS

Width: AVERAGE

Depth: TOP 75

**Distance:** CLOSE/NEAR **Notes:** HILLSIDE VU



**Map Lot Sub:** 0000R5 000003 000000

**Location:** 42 EWING LANE

Owner: ROBERTSON, DONNA

View Value: \$ 12,000

Subject: MOUNTAINSWidth: NARROWDepth: TOP 75

Distance: DISTANT

Notes: 2 ea part blocked



Map Lot Sub: 0000R4 000023 000000

**Location:** 1167 FOREST ROAD

Owner: GOODWIN, LORETTA

View Value: \$ 15,200

Subject: MOUNTAINS

Width: AVERAGE

Depth: TOP 25

**Distance:** DISTANT



Map Lot Sub: 0000R5 000008 000005
Location: FRANCESTOWN ROAD
Owner: GILL, WILLIAM R.

View Value: \$ 15,200 CU

Subject: MOUNTAINSWidth: AVERAGEDepth: TOP 25Distance: DISTANT

Notes: VU



**Map Lot Sub:** 0000R5 000009 000003 **Location:** FRANCESTOWN ROAD

Owner: JOHNSON, DIANA B., TRUSTEE

View Value: \$ 15,200 CU

Subject: MOUNTAINS
Width: AVERAGE
Depth: TOP 25
Distance: DISTANT
Notes: 2 DIR VU



**Map Lot Sub:** 0000R6 000003 000000 **Location:** 243 CORNWELL ROAD

Owner: KOKAL, ANDREJ

View Value: \$ 15,200

Subject: MOUNTAINS
Width: AVERAGE
Depth: TOP 25
Distance: DISTANT

Notes: VU



 $\textbf{Map Lot Sub:} \ \ 0000R9 \ 000025 \ 000006$ 

**Location:** 184 NEW BOSTON ROAD

Owner: GUAY, MICHAEL T

View Value: \$15,200 Subject: HILLS Width: AVERAGE Depth: TOP 50

Distance: DISTANT



**Map Lot Sub:** 0000R9 000043 000004 **Location:** 70 SCHOOL HOUSE ROAD

Owner: WELLS, MIKE W.

View Value: \$ 15,200

Subject: MOUNTAINSWidth: AVERAGEDepth: TOP 25Distance: DISTANT

Notes: VU



**Map Lot Sub:** 0000R9 000079 000000

Location: 172 ZEPHYR LAKE ROAD

Owner: BOSSE, JARED L.

View Value: \$ 15,200

Subject: MOUNTAINS
Width: AVERAGE
Depth: TOP 25
Distance: DISTANT

Notes: C-MTN VU



**Map Lot Sub:** 0000V3 000013 000000

**Location:** 12 DEPOT DRIVE

Owner: GREENFIELD CONGREGATIONAL

**View Value:** \$ 15,200

Subject: MOUNTAINSWidth: AVERAGEDepth: TOP 25

Distance: DISTANT

Notes: VU



Map Lot Sub: 0000V4 000008 000000

Location: 91 SLIP ROAD

Owner: BINGHAM, DAVID W

View Value: \$ 16,000

Subject: MOUNTAINS

Width: NARROW **Depth:** TOP 50

**Distance:** DISTANT

**Notes:** 





Owner: MCNAMARA, SHANNON

View Value: \$ 22,400
Subject: HILLS
Width: AVERAGE
Depth: TOP 75
Distance: DISTANT

Notes: VU



**Map Lot Sub:** 0000R7 000023 000000

Location: 87 BLANCHARD HILL ROAD

Owner: DALY, STEPHEN F.

View Value: \$ 22,400
Subject: MOUNTAINS
Width: AVERAGE
Depth: TOP 75

**Distance:** CLOSE/NEAR **Notes:** 90+MTN/HILL VU



Map Lot Sub: 0000R9 000036 000006

Location: 122 OLD LYNDEBORO MTN RD

Owner: GIGNAC, JAY R

View Value: \$ 22,400

Subject: MOUNTAINS
Width: AVERAGE
Depth: TOP 75
Distance: DISTANT

Notes: part blocked vu



Map Lot Sub: 0000R9 000061 000001

**Location:** 40 PLOWSHARE LANE **Owner:** PLOWSHARE FARM, INC.

View Value: \$ 22,400 Subject: HILLS

Width: PANORAMIC

**Depth:** TOP 75

**Distance:** CLOSE/NEAR

Notes: C MTN & HILLSIDE V



Map Lot Sub: 00000S5 000017 000000
Location: 81 GOULD HILL ROAD
Owner: PARKER, RICHARD E.

View Value: \$ 22,400 Subject: HILLS Width: AVERAGE Depth: TOP 75 Distance: DISTANT

Notes: VU



Map Lot Sub: 0000R5 000011 000000

Location: 531 FRANCESTOWN ROAD

Owner: SLEEPER, CARROLL B HEIRS OF

View Value: \$ 30,400
Subject: MOUNTAINS
Width: AVERAGE
Depth: TOP 50
Distance: DISTANT

Notes: VU



Map Lot Sub: 0000R5 000019 000000 Location: 97 PINE RIDGE ROAD

Owner: SEIGARS, STEVEN E

View Value: \$ 30,400

Subject: MOUNTAINSWidth: AVERAGEDepth: TOP 50

**Distance:** DISTANT

Notes: VU



**Map Lot Sub:** 0000R5 000022 000002

**Location:** PINE RIDGE ROAD **Owner:** SEIGARS, STEVEN E

View Value: \$ 30,400

Subject: MOUNTAINS

Width: AVERAGE

Depth: TOP 50

Distance: DISTANT

Notes: MTN/HILL VU



**Map Lot Sub:** 0000R7 000006 000000 **Location:** 188 EAST ROAD

Owner: 188 EAST ROAD TRUST

**View Value:** \$ 30,400

Subject: MOUNTAINSWidth: AVERAGEDepth: TOP 50Distance: DISTANT

Notes: 90+ C MTN VU



Map Lot Sub: 0000R1 000010 000000

Location: MUZZEY HILL ROAD

Owner: RUSSELL, BRUCE C

View Value: \$ 60,000 CU

Subject: MOUNTAINS
Width: AVERAGE
Depth: FULL 100%
Distance: DISTANT
Notes: VU C-NOTES



**Map Lot Sub:** 0000R1 000020 000000 **Location:** MUZZEY HILL ROAD

Owner: CILLEY, RAYMOND M REV TRUST

**View Value:** \$ 60,000 CU

Subject: MOUNTAINSWidth: AVERAGEDepth: FULL 100%Distance: DISTANT

Notes: 90+ FAR HILLS VU



**Map Lot Sub:** 0000R2 000009 000000

**Location:** 43 CART LANE

Owner: LEBLANC, MICHELLE D.

View Value: \$ 60,000

Subject: MOUNTAINS

Width: WIDE

Depth: TOP 75

**Distance:** DISTANT

Notes: AVE/MTS/D100/DSTVU



 $\textbf{Map Lot Sub:} \ \ 0000R2 \ 000010 \ 000000$ 

**Location:** 27 CART LANE

Owner: CROTCHED MOUNTAIN FOUNDATION

View Value: \$ 60,000

Subject: MOUNTAINS

Width: WIDE
Depth: TOP 75
Distance: DISTANT

Notes: AVE/MTS/D100/DSTVU



Map Lot Sub: 0000R2 000017 00GRVL

Location: 418 SAWMILL ROAD

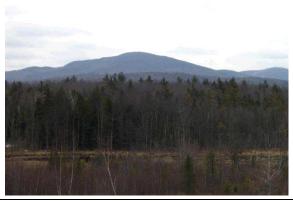
Owner: SAWMILL ROAD TRUST

View Value: \$ 60,000

Subject: MOUNTAINSWidth: AVERAGE

**Depth:** FULL 100% **Distance:** DISTANT

Notes: AVE/MTS/D100/DSTVU



**Map Lot Sub:** 0000R4 000044 000000

**Location:** 885 FOREST ROAD

Owner: SCOTT, PAUL W.

**View Value:** \$ 60,000

**Subject:** MOUNTAINS

Width: WIDE

Depth: TOP 75

Distance: DISTANT

Notes: VU

Date Book/Page Type

**Most Recent Sale:** 04/30/12 8421/0962 Q I \$245,000

**Current Assessment:** 

\$214,400

**Price** 



Map Lot Sub: 0000R7 000023 000001

Location: 400 NEW BOSTON ROAD

Owner: GUTHRIE, IAIN C.

View Value: \$ 60,000

Subject: MOUNTAINS

Width: WIDE

**Depth:** TOP 75 **Distance:** DISTANT



**Map Lot Sub:** 0000R7 000024 0003-1

Location: 51 FLETCHER FARM ROAD

Owner: SNAPE, ROBERT J.

**View Value:** \$ 60,000

Subject: MOUNTAINS
Width: PANORAMIC

**Depth:** TOP 50 **Distance:** DISTANT

Notes: MTN/VALLEY VU



Map Lot Sub: 0000R1 000020 0009-1

Location: 81 MUZZEY HILL ROAD

Owner: CILLEY, RAYMOND M REV TRUST

**View Value:** \$ 80,000

Subject: MOUNTAINS

Width: WIDE

**Depth:** FULL 100% **Distance:** DISTANT

Notes: VU



Map Lot Sub: 0000R9 000027 000000

Location: 79 COACH ROAD

Owner: LAGUERRE, DANIEL E.

**View Value:** \$ 80,000

Subject: MOUNTAINS

Width: WIDE

**Depth:** FULL 100% **Distance:** DISTANT

**Notes:** C MTN+ VU



Map Lot Sub: 0000R9 000036 000005

Location: 114 OLD LYNDEBORO MTN RD

Owner: DUMAINE, THOMAS L

View Value: \$ 100,000

Subject: MOUNTAINS

Width: WIDE

Depth: FULL 100%

**Distance:** EXTREME DISTANT

Notes: 2 TIER VU



Map Lot Sub: 0000R7 000005 000000

**Location:** 135 WOODLAND HILL ROAD **Owner:** TIMMONS, SARA R. TRUSTEE

View Value: \$ 112,800 Subject: MOUNTAINS

Width: PANORAMIC

**Depth:** TOP 75

**Distance:** EXTREME DISTANT **Notes:** 160+ MTN/VALLEY VU



Map Lot Sub: 0000R1 000001 000002

Location: MUZZEY HILL ROAD
Owner: AYASLI-DR., YALCIN
View Value: \$ 150,400 CU

Subject: MOUNTAINS
Width: PANORAMIC

Depth: FULL 100%

**Distance:** EXTREME DISTANT

Notes: VU



Map Lot Sub: 0000R1 000001 0002-1

Location: 219 MUZZEY HILL ROAD

Owner: CILLEY, MARK N.

View Value: \$ 150,400

Subject: MOUNTAINS

Width: PANORAMIC

**Depth:** FULL 100%

**Distance:** EXTREME DISTANT

Notes: VU



**Map Lot Sub:** 0000R1 000001 0002-3

 $\textbf{Location:} \ \ \text{MUZZEY HILL ROAD}$ 

Owner: AYASLI-DR., YALCIN

View Value: \$ 150,400 CU
Subject: LAKES & MOUNTAINS

Width DANODAMIC

Width: PANORAMIC

Depth: FULL 100%

**Distance:** EXTREME DISTANT



**Map Lot Sub:** 0000R7 000024 000002

**Location:** 95 FLETCHER FARM ROAD

Owner: TIMMONS, ROBERT A.

View Value: \$ 150,400

Subject: MOUNTAINSWidth: PANORAMICDepth: FULL 100%

**Distance:** EXTREME DISTANT

**Notes:** VU/180 MTNS,100%



 $\textbf{Map Lot Sub:} \ \ 0000R1 \ \ 000009 \ \ 000000$ 

Location: 515 SAWMILL ROAD

Owner: CERNOTA, ARNOLD TRUSTEE ET AL

View Value: \$ 224,800 Subject: MOUNTAINS

Width: PANORAMIC

Depth: FULL 100%

**Distance:** EXTREME DISTANT

Notes: 2 DIR MULTI TR VU

### C. BUILDING GRADING

- <u>**B4** Below Minimum House</u> Basic camp style construction, typically no interior finish, may lack central heat. May lack plumbing and/or electric service. Typically no foundation.
- **B3 Minimum House** Average camp style construction. No specific style and having minimal interior and/or exterior finish and features. May not have enclosed foundation and may lack water, sewer or electric.
- **<u>B2 Basic Weather Tight House</u>** Very plain shelter with few doors or windows, low grade design interior and exterior. Typically without an enclosed foundation.
- <u>B1 Below Average House</u> Basic box, minimal to no fenestration, little to no design, low quality materials and windows may consist of a mix of average grade material and low grade design, or may be an average house without an enclosed foundation.
- <u>A0 Average House</u> Basic box, reasonable number of windows, may be double hung single pane with or without storm windows or double pane windows, no extras, plain interior and exterior.
- <u>A1 Above Average House</u> Typically more than a box with some design features, roof overhang, and upgraded windows or not, may have some angles or roof cuts, appealing layout of windows and initial appeal somewhat better than average. Generally above average materials for trim and floor finish.
- <u>A2 Good Quality House</u> Generally of good to high quality materials or a mix of average and high, has good exterior trim design normally with roof overhang, some designer roof cover and/or trim accents, not plain, windows are typically casement or thermopane, entrance may be elaborate, roof may have multiple angles.
- <u>A3 Very Good Quality House</u> All of A2 above, but also custom work on trim, kitchen & baths, recessed lighting, high quality floor cover, exterior high quality and design, exterior and interior trim of good quality and design, may have features like window "eyebrows" and a splash board around the lower exterior walls. May have some custom windows and cathedral areas typically with good lighting.
- **A4 Excellent Quality House** All of the above, but with greater fenestration and attention to detail, custom trim, custom kitchen and/or baths. Multiple high quality floor cover, excellent design and curb appeal. Generally multi floor with angles and/or roof cuts. Generally high quality usually includes built-ins cabinets, bookcases and shelving.
- <u>A5 Excellent + Quality House</u> All of the features of an A4 (Excellent) house, but with some additional custom details and design features. Typically older homes of high quality, center chimney, detailed cove molding, excellent roof overhang on four sides with custom design and molding, wide or detailed corner boards and window trim, generally multi-story with good fenestration having great curb presentation.

<u>Grades Above A5</u> - Generally have all the features of the A5 grade, including some or all of the following: multi-story, angles, roof cuts, recessed lighting inside and out, built-ins, great curb presentation and marketability, features and appeal that in the marketplace make this building somewhat more desirable than the A5 grade building in stages up to luxurious which may contain all of the features above with a progressively higher degree of quality and design found in town.

### **Manufactured Homes**

- B3 Generally 8' wide or less 2x4 or 2x3 construction.
- B2 Generally 10' wide, 2x4 or 2x3 construction.
- B1 Generally 12' wide, 2x4 construction.
- A0 Generally 14' wide with gable roof, could be 2x4 or 2x6 construction.
- A1 Generally 14' wide with added ornamentation or detail or 2x6 construction.
- A2 Generally 16' wide with 2x6 construction.

This is merely a guideline and a homes' quality could be adjusted up or down for the presence (or lack of) the following: upgraded windows, gable or pitched roof, foundation or basement.

The following pictures samples will help, as words do not always express or capture the essence of the building as much as pictures do. The above text is meant as a guideline and not meant, nor would it be possible to describe or include every possible situation.



B3 -- MINIMUM (0000S2 000018 000000)



B1 -- AVG-10 (0000R5 000020 000000)



A0 -- AVG (0000S2 000011 000000)





B1 -- AVG-10 (0000S2 000016 000000)



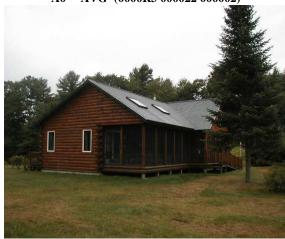
A0 -- AVG (0000R3 000011 000000)



A0 -- AVG (0000R3 000012 000008)



A0 -- AVG (0000R3 000022 000002)



A1 -- AVG+10 (0000R4 000010 000001)



A0 -- AVG (0000R3 000017 000000)



A1 -- AVG+10 (0000R3 000044 000000)



A1 -- AVG+10 (0000R9 000039 000000)



A1 -- AVG+10 (0000R9 000043 000012)



A1 -- AVG+10 (0000R9 000043 0001-1)



A1 -- AVG+10 (0000S5 000027 000000)



A1 -- AVG+10 (0000R9 000043 000014)



A1 -- AVG+10 (0000S5 000008 000000)



A2 -- AVG+20 (0000R4 000044 000000)



A2 -- AVG+20 (0000R3 000043 000000)



A3 -- AVG+30 (0000R1 000001 0002-2)



A4 -- EXC (0000R1 000001 0002-1)



A2 -- AVG+20 (0000R1 000020 000001)



A3 -- AVG+30 (0000R3 000044 000002)



A4 -- EXC (0000R2 000017 00GRVL)



A4 -- EXC (0000V3 000026 000000)



A5 -- EXC+10 (0000R5 000032 000000)



A6 -- EXC+20 (0000V4 000014 000000)



A4 -- EXC (0000R6 000008 000010)



A5 -- EXC+10 (0000R5 000008 000006)



A6 -- EXC+20 (0000V4 000024 000000)

# Town of GREENFIELD Hillsborough County New Hampshire

2014 Revaluation Neighborhood and Sales Map

# LEGEND

## **NEIGHBORHOODS**

A : AVERAGE -40%

B : AVERAGE -30%

C : AVERAGE -20%

D : AVERAGE -10%

E : AVERAGE 100%

F : AVERAGE +10%

G : AVERAGE +20%

T : AVERAGE +300%

Sale and Neighborhood code information was aquired from Avitar Assessing database. Town Boundary and Road information was aquired from GRANIT.

