

# North America Timber and Biomass Markets

Methodology and price specifications – December 2022



# Contents

- 3 Mission statement
  3 Introduction
- 4 Price discovery process and methodology
- 7 Methodology review and consultation process
- 8 Price correction policy
- 8 Queries and complaints
- 9 Delivered Log Price Indices
- 9 Become a contributor to the price discovery process
- 10 Price specifications
- 10 Woodfiber
- 32 Biomass
- 40 Comparative Regional Woodfiber
- 50 Logs
- 74 Revision History
- 75 Disclaimer



## Mission statement

Fastmarkets is a leading commodity price reporting agency (PRA) covering the metals, mining, minerals and forest products industries. Our products include Metal Bulletin, American Metal Market, RISI, FOEX, Random Lengths, Industrial Minerals and AgriCensus. For more than 100 years we have been providing commodities price reporting services for use by market participants in their day-to-day commercial activities. These services include assessments and indices of commodity prices as well as news, research and commentary on the underlying markets.

Our mission is to meet the market's data requirements honestly and independently, acting with integrity and care to ensure that the trust and confidence placed in the reliability of our pricing methodologies is maintained. We do not have a vested interest in the markets on which we report.

## Introduction

Fastmarkets RISI is the leading global provider of pricing intelligence for the forest products markets and has been producing price assessments since the 1970's.

Fastmarkets' reporters are required to abide by a code of conduct and clear pricing procedures during their market reporting and pricing activities. Fastmarkets is completely independent and has no vested commercial interest in any of the markets it prices.

We are the world's largest dedicated forest products price reporting team. We have offices in New York, Boston, San Francisco, Eugene, Charlottesville, Atlanta, Brussels, Helsinki, Beijing, Shanghai, Singapore and Sao Paulo.

The aim of this document is to provide a clear overview of Fastmarkets RISI's North America Timber and Biomass methodology and specifications for the prices it assesses. If you have any questions, please contact Fastmarkets Forest Products' Senior VP of Indices, Matt Graves, at matt.graves@fastmarkets.com.



# Price discovery process and methodology

## **Methodology Rationale**

Fastmarkets RISI produces independent, fair and representative price assessments and indices for timber and biomass on a monthly and quarterly basis. Fastmarkets RISI's rationale is to adopt and develop the price discovery process and the methodology described in the present guide to produce assessments that are a consistent and representative indicator of value of the market to which they relate for the trading period they measure.

During the price discovery process, the price reporter's goal is to discover at what representative level market participants have concluded business, made offers or received bids over a certain defined trading period – generally the calendar month or quarter indicated. Woodfiber and biomass prices reflect the estimated average open market price over the quarter indicated. Log prices represent transactions over the second half of the month indicated.

The time period, or window, identified to assess a market (e.g., daily, bi-weekly, weekly, monthly) is determined by Fastmarkets RISI after considering the number of data points that Fastmarkets RISI can reasonably expect to collect on a consistent basis over the selected period to support the price assessment process.

### Data collection criteria

Fastmarkets RISI reporters aim to talk to a broad sample of market participants specifically involved in the buying and selling of the timber and biomass product of interest, with a good representation of both sides of the market, including producers and consumers, as well as traders.

Data is collected from market participants directly involved in spot and contract business primarily by telephone, but also by email, digital messaging or direct submission. All input data received is kept confidential and stored in a secure network.

Fastmarkets RISI encourages organizations to submit all their pricing data, especially all the concluded transactions. Depending on market liquidity, Fastmarkets RISI reserves the right to also base its prices on bids, offers, deals heard and market participants' assessment or indication of prevailing values.

Fastmarkets RISI welcomes organizations to submit transaction data from authorized back office functions.



## Price specifications and reference units

Fastmarkets RISI has clear specifications for all the price points that it covers. All the reference units, such as currency and volume, are in line with recognized timber and biomass market trading conventions.

Fastmarkets RISI's specifications detail the material's characteristics or quality, location, incoterm, payment terms and the minimum volume accepted. These specifications are determined in consultation with market participants and following industry convention. Reporters ensure that the information they receive matches these specifications.

## Guidelines on the use of judgement

To produce the price assessment, greater weighting is generally given to actual concluded transaction data; bids/offers are second in order of importance, followed by data sources' own assessment of the market when they have no business to report. However, other considerations might also intervene such as, the trustworthiness of a data source based on past data submissions, or their willingness to provide data on a consistent basis.

In the absence of sufficient transaction data, bids and offers or other actual price information, Fastmarkets RISI reserves the right to use other factors to determine the assessment. These include:

- market participants' trigger prices.
- market participants' reports of the change in prices from previously assessed periods.
- market fundamentals such as changes in inventory levels, shipments, operating rates and export volumes.
- relative values of similar commodities in the same region.
- relative values of the same commodity in different regions.
- changes in the value of the commodity's primary feedstock or primary derived product(s).

In very opaque markets, where little actual market data is available, price developments may at times not be immediately apparent. If Fastmarkets RISI price assessors detect this, their market assessments in the next



reporting period would generally reflect the price change. This is in line with Fastmarkets RISI's policy of acting on new information as it becomes available.

All Fastmarkets RISI price specifications define the minimum lot size accepted. When volume information is available, this is also taken into consideration in the assessment process. For instance, typically a deal with a bigger volume will carry more weight in the price reporter judgement than a smaller volume transaction. However, price reporters will also consider, for instance, to normalize or discard a price reported for a deal with an abnormally large or small volume.

As commodity markets differ in liquidity level at different periods, the methodology does not set any minimum number, or threshold, of transactions to be gathered on which to base the assessment.

The weighting of any single data provider's data is limited so that it doesn't dominate the assessment. For most timber and biomass assessments the cap is set at 50%.

## Criteria to discard pricing data

Data are excluded from the assessment in the following cases:

- The price of a transaction is indexed to published prices from Fastmarkets RISI or other sources.
- A transaction price is considered "indexed" when it is entirely determined according to a formula based on a published price assessment. However, even when parties have a long-term index-priced contract (i.e. stipulation that each month's price will be determined based on a published price assessment), they may sometimes supersede the contract terms by choosing to determine a given month's price by negotiation. For instance, this can happen if parties negotiate and agree on the price for a given month before that month's Fastmarkets RISI price assessment has been published. In a case like this, even though the overall contract is indexed, the given month's price is not considered indexed and would thus be included in that month's price assessment.
- The transactions don't meet the assessment specifications.
- The transaction has special circumstances that, in the price assessor's judgment, render it unrepresentative of the broader market and/or not repeatable.
- The transaction is between affiliated companies.



## Procedure to ensure consistency in the price discovery procedures

All Fastmarkets RISI price assessments are set by a first reporter who covers that specific market, peer reviewed by a second reporter, and always signed-off and approved by a senior reporter or editor prior to publication. This peer review process is in place to make sure that pricing procedures and methodologies are correctly and consistently applied and to ensure integrity and quality of the published prices.

Price reporters are formally trained in the price discovery process and must abide by a written Code of Conduct and pricing procedures.

On a regular basis, Fastmarkets RISI staff review markets and methodologies to ensure that assessment methodologies and the assessments they produce are appropriate for the market. Fastmarkets RISI has also committed to conducting one external audit per year of one key assessment.

## Publication of the price assessment

At the end of the pricing session, Fastmarkets RISI reviews the pricing information it receives to set a price range to reflect the representative spread of prices at which business has been transacted, offered or bid. In some markets Fastmarkets RISI may also publish a single point price reflecting the average prevailing market value.

For Fastmarkets RISI's full publishing schedule for timber and biomass, please see here.

# Methodology review and consultation process

Fastmarkets' editorial teams carry out a formal review and approval of its methodologies on an annual basis. The process starts with an open consultation in which feedback is invited from users. Further consultation follows should any material change to the methodology be proposed. Material changes are those that, once implemented, may result in fundamental changes to the published price.

At the end of the consultation process, the editorial teams review any feedback received and decide on whether a change should be made before announcing and explaining that decision to the market via a pricing notice/coverage note. The editorial teams may also suggest changes or additions to methodologies on an adhoc basis to reflect market developments, in which case they will follow the same process as outlined for formal reviews.



For more details, please refer to Fastmarkets' Methodology Review and Change Consultation Process document available on the Fastmarkets website, as well as on divisional websites such as Fastmarkets MB, Fastmarkets RISI or Fastmarkets FOEX.

## Price correction policy

Publication of price errors can occasionally happen for reasons that may include technical input errors or incorrect application of the methodology. To minimize the inconvenience to our subscribers, Fastmarkets RISI aims to investigate each error as soon as it becomes aware of it and to publish a correction promptly on our website through a coverage note with an explanation of the reason for the correction.

Fastmarkets RISI will publish a correction of a price only where it has established undeniably that there has been an error. Fastmarkets RISI price assessments are produced based on the best data available at the time of the assessment. It will not retroactively change a price based on new information or additional submission of data received after a respective pricing session has closed.

Occasionally, in very opaque markets, price developments may not become apparent for some time. If this happens, Fastmarkets RISI reserves the right to adjust a price series upwards or downwards to bring it back in-line with market values. Such cases should not be considered corrections but rather non-market price adjustments. A retroactive correction of the price history would not normally be made.

Fastmarkets RISI has a very structured process for such non-market adjustments, similar to that for changes to methodologies and specifications. They would only be implemented after industry consultation. Ample notice would be given of the proposed adjustment and stakeholders would have the chance to send their feedback.

## Queries and complaints

Fastmarkets RISI encourages engagement from the market on its pricing principles and methodology. The company promotes understanding of its pricing procedures and is committed to responding to requests for further information and clarification on a timely basis.

There are multiple channels for interaction with the pricing team including email, telephone and instant messenger services.



If a user has an issue with the published prices, then they may contact the pricing team. In the event that the response is not satisfactory the issue may be escalated to the internal compliance department. For more details refer to Fastmarkets' Complaint Handling Policy available on the Fastmarkets RISI website.

Fastmarkets RISI takes all queries and complaints seriously and will seek to provide an explanation of the prices wherever possible. It is important to note, however, that input data remain confidential and cannot be provided to third parties.

# Become a contributor to the price discovery process

Fastmarkets continually seeks to increase the number of market sources willing to take part in the price discovery process. The main condition Fastmarkets requires from contributors is for them to be active participants in the spot market. Fastmarkets' Data Submitter Policy provides guidelines defining the high level of data quality and integrity that Fastmarkets expects from contributing organization providing pricing data. Market participants that wish to provide pricing data and be part of the price discovery process should first read the Data Submitter Policy available on the Fastmarkets website.

All data sources are subject to review before their data submitted is fully taken into account in the pricing process. The aim is to make sure that submitters are trustworthy and have sufficient visibility and understanding of the market to be able to provide viable price data.

If you want to become a contributor to Fastmarkets pricing or have questions or comments about the methodology and price specifications, please contact Fastmarkets Forest Products Senior VP of Indices, Matt Graves, at <a href="matt.graves@fastmarkets.com">matt.graves@fastmarkets.com</a>.

# Delivered log price indices

Fastmarkets RISI publishes two delivered log price indices, domestic and export. The Domestic Log Price Index is the average of #2, 3 and 4 sawlogs for Regions 1, 2 and 3. The Export Log Price Index is the Average of Region 1 WW exports to China and Korea and Region 2 DF exports to China and Japan.



# Price specifications

#### WOODFIBER

#### **US South Central**

Assessment: Softwood Roundwood

Quantity: min. 1,000 ton

Location: US South Central - Eastside

Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11916

MInD Symbol: FP-RWD-0001

Assessment: Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US South Central - Eastside

Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.



Note: Prices vary in increments of one dollar.

Price ID: 11917

MInD Symbol: FP-RWD-0002

Assessment: Softwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US South Central - Eastside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11918

MInD Symbol: FP-CHP-0001

Assessment: Hardwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US South Central - Eastside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.



MInD Symbol: FP-CHP-0002

Assessment: Softwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Central - Eastside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11920

MInD Symbol: FP-CHP-0003

Assessment: Hardwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Central - Eastside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11921

MInD Symbol: FP-CHP-0004



Assessment: Softwood Roundwood

Quantity: min. 1,000 ton

Location: US South Central - Westside

Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11922

MInD Symbol: FP-RWD-0003

Assessment: Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US South Central - Westside

Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11923

MInD Symbol: FP-RWD-0004

Assessment: Softwood Sawmill Chips

Quantity: min. 1,000 ton



Location: US South Central - Westside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11924

MInD Symbol: FP-CHP-0005

Assessment: Hardwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US South Central - Westside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11925

MInD Symbol: FP-CHP-0006

Assessment: Softwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Central - Westside

Incoterm: FOB supplier



Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11926

MInD Symbol: FP-CHP-0007

Assessment: Hardwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Central - Westside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11927

MInD Symbol: FP-CHP-0008

#### **US South Atlantic**

Assessment: Softwood Roundwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Northside



Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11928

MInD Symbol: FP-RWD-0005

Assessment: Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Northside

Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11929

MInD Symbol: FP-RWD-0006

Assessment: Softwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Northside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.



Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11930

MInD Symbol: FP-CHP-0009

Assessment: Hardwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Northside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11931

MInD Symbol: FP-CHP-0010

Assessment: Softwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Northside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton



Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11932

MInD Symbol: FP-CHP-0011

Assessment: Hardwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Northside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11933

MInD Symbol: FP-CHP-0012

Assessment: Softwood Roundwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Southside

Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11934

MInD Symbol: FP-RWD-0007

Assessment: Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Southside

Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11935

MInD Symbol: FP-RWD-0008

Assessment: Softwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Southside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11936

MInD Symbol: FP-CHP-0013

Assessment: Hardwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Southside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11937

MInD Symbol: FP-CHP-0014

Assessment: Softwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Southside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11938

MInD Symbol: FP-CHP-0015

Assessment: Hardwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Southside

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11939

MInD Symbol: FP-CHP-0016

Assessment: Softwood Roundwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Coastal

Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11940

MInD Symbol: FP-RWD-0009

Assessment: Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Coastal

Incoterm: Delivered Mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11941

MInD Symbol: FP-RWD-0010

Assessment: Softwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Coastal

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11942

MInD Symbol: FP-CHP-0017

Assessment: Hardwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Coastal

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11943

MInD Symbol: FP-CHP-0018

Assessment: Softwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Coastal

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11944

MInD Symbol: FP-CHP-0019

Assessment: Hardwood Chipmill Chips

Quantity: min. 1,000 ton

Location: US South Atlantic - Coastal

Incoterm: FOB supplier

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar.

Price ID: 11945

MInD Symbol: FP-CHP-0020

#### **US Northwest**

Assessment: Softwood Sawmill Chips

Quantity: min. 1,000 ton Location: US Northwest

Incoterm: Delivered pulp mills

Timing: Orders in the quarter to date.

Unit: Bone dry ton Currency: US Dollar



Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Average open market price over the quarter. Prices vary in increments of one dollar. 1 BDT equals 2

green tons. Price ID: 14374

MInD Symbol: FP-CHP-0021

Assessment: Softwood Roundwood

Quantity: min. 1,000 ton Location: US Northwest Incoterm: Delivered chip mills

Timing: Orders in the quarter to date.

Unit: Short ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Average open market price over the quarter. Prices vary in increments of one dollar.

Price ID: 14375

MInD Symbol: FP-RWD-0011

Assessment: Softwood Chips – Douglas Fir

Quantity: min. 1,000 ton

Location: US Northwest – Northwest export Incoterm: FAS Northwest port of loading Timing: Orders in the quarter to date.

Unit: Bone dry unit Currency: US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Residual and whole log chips combined. Prices vary in increments of one dollar.

Price ID: 11950

MInD Symbol: FP-CHP-0022

#### Canada

Assessment: Hemlock Sawmill Chips

Quantity: min. 1,000 ton

Location: British Columbia - Coast

Incoterm: FOB Supplier

Timing: Orders in the quarter to date.

Unit: Bone dry unit

Currency: Canadian Dollar, US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar. One BDU equals 1.2 bone dry tons or 2.4 Green tons.

Price ID: 11951, 14467

MInD Symbol: FP-CHP-0027

Assessment: Douglas Fir Sawmill Chips

Quantity: min. 1,000 ton

Location: British Columbia - Coast

Incoterm: FOB Supplier

Timing: Orders in the quarter to date.

Unit: Bone dry unit

Currency: Canadian Dollar, US dollar



Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar. One BDU equals 1.2 bone dry tons or 2.4 Green tons.

Price ID: 11952 (CAD), 14468 (USD)

MInD Symbol: FP-CHP-0024 (CAD), FP-CHP-0028 (USD)

Assessment: SPF Sawmill Chips

Quantity: min. 1,000 ton

Location: British Columbia - Interior

Incoterm: FOB Supplier

Timing: Orders in the quarter to date.

Unit: Bone dry unit

Currency: Canadian Dollar, US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar. One BDU equals 1.2 bone dry tons or 2.4 Green tons.

Price ID: 11953 (CAD), 14471 (USD)

MInD Symbol: FP-CHP-0025 (CAD), FP-CHP-0029 (USD)

Assessment: Douglas Fir Sawmill Chips

Quantity: min. 1,000 ton

Location: British Columbia - Interior

Incoterm: FOB Supplier

Timing: Orders in the quarter to date.

Unit: Bone dry unit

Currency: Canadian Dollar, US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar. One BDU equals 1.2 bone dry tons or 2.4 Green tons.

Price ID: 11954 (CAD), 14472 (USD)

MInD Symbol: FP-CHP-0026 (CAD), FP-CHP-0030 (USD)

Assessment: Hemlock/Balsam Roundwood

Quantity: min. 1,000 ton

Location: British Columbia - Coast

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Cubic meter

Currency: Canadian Dollar, US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Note: Prices vary in increments of one dollar. One cubic meter equals roughly one green ton.

Price ID: 11955 (CAD), 14473 (USD)

MInD Symbol: FP-RWD-0012 (CAD), FP-RWD-0013 (USD)

#### **US Northeast**

Assessment: Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US Northeast - Maine

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar



Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11956

MInD Symbol: FP-RWD-0014

Assessment: Spruce/Fir Roundwood

Quantity: min. 1,000 ton

Location: US Northeast - Maine

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11957

MInD Symbol: FP-RWD-0015

Assessment: Hardwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US Northeast - Maine

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price.



Assessment Type: Point price

Publication: Quarterly.

Price ID: 11958

MInD Symbol: FP-CHP-0031

Assessment: Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US Northeast – Pennsylvania/New York

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11960

MInD Symbol: FP-RWD-0017

Assessment: Softwood Roundwood

Quantity: min. 1,000 ton

Location: US Northeast - Pennsylvania/New York

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11959

MInD Symbol: FP-RWD-0016



Assessment: Hardwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US Northeast - Pennsylvania/New York

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11961

MInD Symbol: FP-CHP-0032

#### **US Lake Stakes**

Assessment: **Spruce Roundwood** 

Quantity: min. 1,000 ton

Location: US Lake States - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Cord

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: One cord equals 2.3 green tons of softwood or 2.4 tons of hardwood. One cord equals 2.3 green tons

of softwood or 2.4 tons of hardwood.



MInD Symbol: FP-RWD-0018

Assessment: Balsam Roundwood

Quantity: min. 1,000 ton

Location: US Lake States - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Cord

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: One cord equals 2.3 green tons of softwood or 2.4 tons of hardwood. One cord equals 2.3 green tons

of softwood or 2.4 tons of hardwood.

Price ID: 11963

MInD Symbol: FP-RWD-0018

Assessment: Mixed Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US Lake States - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Cord

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: One cord equals 2.3 green tons of softwood or 2.4 tons of hardwood. One cord equals 2.3 green tons

of softwood or 2.4 tons of hardwood.



MInD Symbol: FP-RWD-0020

Assessment: Aspen Roundwood

Quantity: min. 1,000 ton

Location: US Lake States - Wisconsin/Michigan

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Cord

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: One cord equals 2.3 green tons of softwood or 2.4 tons of hardwood. One cord equals 2.3 green tons

of softwood or 2.4 tons of hardwood.

Price ID: 11965

MInD Symbol: FP-RWD-0021

Assessment: **Aspen Roundwood** 

Quantity: min. 1,000 ton

Location: US Lake States - Minnesota

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Cord

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: One cord equals 2.3 green tons of softwood or 2.4 tons of hardwood. One cord equals 2.3 green tons

of softwood or 2.4 tons of hardwood.



MInD Symbol: FP-RWD-0022

Assessment: Hardwood Sawmill Chips

Quantity: min. 1,000 ton

Location: US Lake States - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11967

MInD Symbol: FP-CHP-0033

#### **BIOMASS**

Assessment: Hardwood and Softwood Blended

Quantity: min. 1,000 ton

Location: US Northeast - New England

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.



MInD Symbol: FP-WB-0018

Assessment: Hardwood and Softwood Blended

Quantity: min. 1,000 ton

Location: US Northeast - Pennsylvania/New York

Incoterm: Delivered

Timing: Orders in the guarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11970

MInD Symbol: FP-WB-0019

Assessment: Hardwood and Softwood Blended

Quantity: min. 1,000 ton

Location: US Lake States - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price.
Assessment Type: Point price

Publication: Quarterly.

Price ID: 11971

MInD Symbol: FP-WB-0020

Assessment: Hardwood and Softwood Blended

Quantity: min. 1,000 ton



Location: US Pacific Northwest - Oregon

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11972

MInD Symbol: FP-WB-0021

Assessment: Hardwood and Softwood Blended

Quantity: min. 1,000 ton

Location: US Pacific Northwest - Washington

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11973

MInD Symbol: FP-WB-0022

Assessment: Hardwood and Softwood Mill Residue

Quantity: min. 1,000 ton

Location: US South Central - Region-wide

Incoterm: Delivered Quantity: min. 1,000 ton

Unit: Green ton



Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11974

MInD Symbol: FP-WB-0023

Assessment: Hardwood and Softwood In-woods

Quantity: min. 1,000 ton

Location: US South Central - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11975

MInD Symbol: FP-WB-0024

Assessment: Hardwood and Softwood Mill Residue

Quantity: min. 1,000 ton

Location: US South Atlantic - Region-wide

Incoterm: Delivered Quantity: min. 1,000 ton

Unit: Green ton Currency: US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11976

MInD Symbol: FP-WB-0025

Assessment: Hardwood and Softwood In-woods

Quantity: min. 1,000 ton

Location: US South Atlantic - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11977

MInD Symbol: FP-WB-0026

Assessment: Hardwood and Softwood Blended

Quantity: min. 1,000 ton

Location: British Columbia - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green metric tonne Currency: Canadian Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price



Publication: Quarterly. Price ID: 11978

MInD Symbol: FP-WB-0027

Assessment: Pellet-Grade Softwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11979

MInD Symbol: FP-WB-0028

Assessment: Pellet-Grade Softwood

Quantity: min. 1,000 ton

Location: US South Central - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11980

MInD Symbol: FP-WB-0029



Assessment: Pellet-Grade Softwood

Quantity: min. 1,000 ton

Location: Northeast - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11981

MInD Symbol: FP-WB-0030

Assessment: Pellet-Grade Softwood

Quantity: min. 1,000 ton

Location: US Pacific Northwest - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly. Price ID: 11982

MInD Symbol: FP-WB-0031

Assessment: Pellet-Grade Softwood

Quantity: min. 1,000 ton

Location: British Columbia - Region-wide

Incoterm: Delivered



Timing: Orders in the quarter to date.

Unit: Oven dried metric tonne Currency: Canadian Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11983

MInD Symbol: FP-WB-0032

Assessment: Pellet-Grade Hardwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11984

MInD Symbol: FP-WB-0033

Assessment: Pellet-Grade Hardwood

Quantity: min. 1,000 ton

Location: US South Central - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar



indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11985

MInD Symbol: FP-WB-0034

Assessment: Pellet-Grade Hardwood

Quantity: min. 1,000 ton

Location: US Northeast - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Price ID: 11986

MInD Symbol: FP-WB-0035

Assessment: Pellet-Grade Hardwood

Quantity: min. 1,000 ton

Location: US Lake States - Region-wide

Incoterm: Delivered

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price



Publication: Quarterly.

Price ID: 11987

MInD Symbol: FP-WB-0036

#### **COMPARATIVE REGIONAL PRICES**

Assessment: Comparative Regional Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Hardwood roundwood, excludes woodchips. Estimated region-wide market average price.

Price ID: 12132

MInD Symbol: FP-RWD-0023

Assessment: Comparative Regional Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US South Central - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price



Publication: Quarterly.

Notes: Hardwood roundwood, excludes woodchips. Estimated region-wide market average price.

Price ID: 12133

MInD Symbol: FP-RWD-0024

Assessment: Comparative Regional Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US Northeast - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Hardwood roundwood, excludes woodchips. Estimated region-wide market average price.

Price ID: 12134

MInD Symbol: FP-RWD-0025

Assessment: Comparative Regional Hardwood Roundwood

Quantity: min. 1,000 ton

Location: US Lake States - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Hardwood roundwood, excludes woodchips. Estimated region-wide market average price.



Price ID: 12135

MInD Symbol: FP-RWD-0026

Assessment: Comparative Regional Softwood Roundwood

Quantity: min. 1,000 ton

Location: US South Atlantic - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood roundwood, excludes woodchips. Estimated region-wide market average price.

Price ID: 12137

MInD Symbol: FP-RWD-0027

Assessment: Comparative Regional Softwood Roundwood

Quantity: min. 1,000 ton

Location: US South Central - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood roundwood, excludes woodchips. Estimated region-wide market average price.

Price ID: 12138

MInD Symbol: FP-RWD-0028



Assessment: Comparative Regional Softwood Roundwood

Quantity: min. 1,000 ton

Location: US Northeast - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood roundwood, excludes woodchips. Estimated region-wide market average price.

Price ID: 12139

MInD Symbol: FP-RWD-0029

Assessment: Comparative Regional Softwood Roundwood

Quantity: min. 1,000 ton

Location: US Lake States - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood roundwood, excludes woodchips. Estimated region-wide market average price.

Price ID: 12140

MInD Symbol: FP-RWD-0030

Assessment: Comparative Regional Softwood Roundwood



Quantity: min. 1,000 ton

Location: US Pacific Northwest

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood roundwood, excludes woodchips. Estimated region-wide market average price.

Price ID: 12141

MInD Symbol: FP-RWD-0031

Assessment: Comparative Regional Softwood Roundwood

Quantity: min. 1,000 ton Location: British Columbia Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood roundwood, excludes woodchips. Estimated region-wide domestic market average price.

Canadian fiber prices, reported in US\$, effected by variable exchange rates.

Price ID: 12142

MInD Symbol: FP-RWD-0032

Assessment: Comparative Regional Hardwood Chips



Location: US South Atlantic - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Hardwood residual and manufactured chips, excludes softwood. Estimated region-wide domestic

market average price.

Price ID: 12144

MInD Symbol: FP-CHP-0034

Assessment: Comparative Regional Hardwood Chips

Quantity: min. 1,000 ton

Location: US South Central - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Hardwood residual and manufactured chips, excludes softwood. Estimated region-wide domestic

market average price.

Price ID: 12145

MInD Symbol: FP-CHP-0035

Assessment: Comparative Regional Hardwood Chips



Location: US Northeast - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Hardwood residual and manufactured chips, excludes softwood. Estimated region-wide domestic

market average price.

Price ID: 12146

MInD Symbol: FP-CHP-0036

Assessment: Comparative Regional Hardwood Chips

Quantity: min. 1,000 ton

Location: US Lake States - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Hardwood residual and manufactured chips, excludes softwood. Estimated region-wide domestic

market average price.

Price ID: 12147

MInD Symbol: FP-CHP-0037

Assessment: Comparative Regional Softwood Chips



Location: US South Atlantic - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood residual and manufactured chips, excludes softwood. Estimated region-wide domestic

market average price.

Price ID: 12149

MInD Symbol: FP-CHP-0038

Assessment: Comparative Regional Softwood Chips

Quantity: min. 1,000 ton

Location: US South Central - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood residual and manufactured chips, excludes softwood. Estimated region-wide domestic

market average price.

Price ID: 12150

MInD Symbol: FP-CHP-0039

Assessment: Comparative Regional Softwood Chips



Location: US Northeast - Region-wide

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood residual and manufactured chips, excludes softwood. Estimated region-wide domestic

market average price.

Price ID: 12151

MInD Symbol: FP-CHP-0040

Assessment: Comparative Regional Softwood Chips

Quantity: min. 1,000 ton

Location: US Pacific Northwest

Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood residual and manufactured chips, excludes softwood. Estimated region-wide domestic

market average price.

Price ID: 12153

MInD Symbol: FP-CHP-0041

Assessment: Comparative Regional Softwood Chips



Location: British Columbia Incoterm: Delivered mill

Timing: Orders in the quarter to date.

Unit: Green ton Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price. Assessment Type: Point price

Publication: Quarterly.

Notes: Softwood residual and manufactured chips. Estimated region-wide domestic market average price.

Canadian fiber prices, reported in US\$, effected by variable exchange rates.

Price ID: 12154

MInD Symbol: FP-CHP-0042



# **LOGS**

### **GRADE DEFINITIONS**

**DOMESTIC GRADES** – Domestic grades are defined by the official rules developed by the Northwest Log Rules Advisory Group and published by the Log Scaling and Grading Bureaus of the following regions: Columbia River, Grays Harbor, Northern California, Puget Sound, Southern Oregon and Yamhill. The US Forest Service National Forest Log Scaling Handbook is used in the Inland regions of eastern Washington and Idaho. **Chip & Saw logs**, so named because such a log should yield two 2x4's and chips, are usually 5-7" in diameter on the small end and 12-40' in length. Prices for **Pulp and Chip & Saw** logs should be given in \$/tons. The **Whitewoods** designation includes Western Hemlock and true firs.

**EXPORT GRADES** - Export grade categories used in *Log Lines* publications were revised in 1996 to reflect the sort designations currently in use in the market. Country names used in these sorts do not necessarily refer to export destinations.

**Japan Sorts:** Straight logs with a clean, smooth surface. Defect not to exceed 10% and log lengths generally must average 36 feet. These logs generally originate from older second-growth trees.

J14: Scaling diameter 14" and greater, #2 Sawmill grade & better, ring count 6"+

J12: Scaling diameter 12" and greater, #2 Sawmill grade & better

J8: Scaling diameter 8" and greater, #3 Sawmill grade

**China Sorts:** Generally logs which do not meet the requirements for the Japan sorts. Straightness and length average requirements are less severe than the Japan sorts. Well-scattered knots allowed.

C12H: "High" China, scaling diameter 12" & up, #2 Sawmill grade, defect not to exceed 15%

C12L: "Low" China, scaling diameter 12" & greater, #2 or #3 Sawmill grade

**Korea Sort:** Generally, logs which do not meet the requirements for the Japan or China sorts. Straightness and length average requirements are less severe than the Japan sorts.

K8: Scaling diameter 8-11", rough #3 Sawmill grade, defect not to exceed 15%

#### **PRICE REGIONS**

#### **REGION 1: PUGET SOUND & TWIN HARBORS**

Washington Counties: Clallam, Grays Harbor, Island, Jefferson, King, Kitsap, Lewis, Mason, Pacific (northern two-thirds), Pierce, San Juan, Skagit, Snohomish, Thurston, Whatcom

### **REGION 2: COLUMBIA RIVER**



Oregon Counties: Clackamas, Clatsop, Columbia, Hood River, Lincoln, Multnomah, Tillamook, Washington Washington Counties: Clark, Cowlitz, Klickitat, Pacific (Southern one-third), Skamania, Wahkiakum

#### **REGION 3: SOUTHERN OREGON AND THE WILLAMETTE VALLEY**

Oregon Counties: Benton, Coos, Curry, Douglas, Jackson, Josephine, Lane, Linn, Marion, Polk, Yamhill

#### **REGION 4: INLAND**

Washington Counties: Asotin, Columbia, Ferry, Garfield, Pend Oreille, Spokane, Stevens, Whitman. Idaho Counties: Adams, Benewah, Bonner, Boundary, Clearwater, Idaho, Kootenai, Latah, Lewis, Nez Perce, Shoshone, Valley. Montana Counties: Beaverhead, Deer Lodge, Flathead, Glacier, Granite, Lake, Lewis and Clark, Lincoln, Mineral, Missoula, Pondera, Powell, Ravalli, Sanders, Silver Bow, Teton Log prices are based on long log scale, using the Scribner Decimal C log scale rule.

#### **REGION 1: PUGET SOUND AND TWIN HARBOURS**

Assessment: **Douglas-Fir #2 Sawmill** 

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2160

MInD Symbol: FP-LGS-0004

Assessment: **Douglas-Fir #3 Sawmill** 

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill



Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2161

MInD Symbol: FP-LGS-0005

Assessment: Douglas-Fir #4 Sawmill

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2162

MInD Symbol: FP-LGS-0006

Assessment: Douglas-Fir Chip & Saw 5"+

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Tons



Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2163

MInD Symbol: FP-LGS-0007

Assessment: Douglas-Fir Pulp

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Tons

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2164

MInD Symbol: FP-LGS-0008

Assessment: **Douglas-Fir China 12L** 

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2165

MInD Symbol: FP-LGS-0009

Assessment: Whitewoods #2 Sawmill

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 14461

MInD Symbol: FP-LGS-0011

Assessment: Whitewoods #3 Sawmill

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 14462

MInD Symbol: FP-LGS-0012

Assessment: Whitewoods #4 Sawmill

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2167

MInD Symbol: FP-LGS-0013

Assessment: Whitewoods Pulp

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Tons

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2168

MInD Symbol: FP-LGS-0014

Assessment: Whitewoods China 12H

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2169

MInD Symbol: FP-LGS-0015

Assessment: Whitewoods China 12L

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2170

MInD Symbol: FP-LGS-0016

Assessment: Whitewoods Korea 8 Export

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2171

MInD Symbol: FP-LGS-0017

Assessment: Red Cedar Camp Run

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2172

MInD Symbol: FP-LGS-0018

Assessment: Red Alder #2 Sawmill

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2173

MInD Symbol: FP-LGS-0019

Assessment: Red Alder #3 Sawmill

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2174

MInD Symbol: FP-LGS-0020

Assessment: Red Alder #4 Sawmill

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2175

MInD Symbol: FP-LGS-0021

Assessment: Red Alder Pulp

Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Tons

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2176

MInD Symbol: FP-LGS-0022

Assessment: **Maple Pulp** Quantity: min. 500 ton

Location: Puget Sound and Twin Harbours

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Tons

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2177

MInD Symbol: FP-LGS-0023

#### **REGION 2 – COLUMBIA RIVER**

Assessment: Douglas-Fir #2 Sawmill

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.



Unit: Thousand board feet Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2178

MInD Symbol: FP-LGS-0024

Assessment: Douglas-Fir #3 Sawmill

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2179

MInD Symbol: FP-LGS-0025

Assessment: Douglas-Fir #4 Sawmill

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar



Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2180

MInD Symbol: FP-LGS-0026

Assessment: Douglas-Fir Japan 14

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2181

MInD Symbol: FP-LGS-0027

Assessment: Douglas-Fir Japan 12

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2182

MInD Symbol: FP-LGS-0028

Assessment: Douglas-Fir Japan 8

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2183

MInD Symbol: FP-LGS-0029

Assessment: Douglas-Fir China 12H

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2184

MInD Symbol: FP-LGS-0030

Assessment: Douglas-Fir China 12L

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2185

MInD Symbol: FP-LGS-0031

Assessment: Whitewoods #2 Sawmill

Quantity:

Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2187

MInD Symbol: FP-LGS-0033

Assessment: Whitewoods #3 Sawmill

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2188

MInD Symbol: FP-LGS-0034

Assessment: Whitewoods #4 Sawmill

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2189

MInD Symbol: FP-LGS-0035

Assessment: Whitewoods Pulp

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Tons

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally

indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2190

MInD Symbol: FP-LGS-0036

Assessment: Whitewoods China 12L

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2191

MInD Symbol: FP-LGS-0037

Assessment: Whitewoods Korea 8

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2192

MInD Symbol: FP-LGS-0038

Assessment: Red Cedar Camp Run

Quantity: min. 500 ton Location: Columbia River Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes: Prices vary in increments of one dollar.

Price ID: 2193

MInD Symbol: FP-LGS-0039

#### **REGION 3: SOUTHERN OREGON AND THE WILLAMETTE VALLEY**

Assessment: Douglas-Fir Special Mill

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2194

MInD Symbol: FP-LGS-0040

Assessment: Douglas-Fir #2 Sawmill

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet



Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2195

MInD Symbol: FP-LGS-0041

Assessment: **Douglas-Fir #3 Sawmill** 

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2196

MInD Symbol: FP-LGS-0042

Assessment: Douglas-Fir #4 Sawmill

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill Quantity: min. 500 ton Unit: Thousand board feet

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2197

MInD Symbol: FP-LGS-0043

Assessment: Douglas-Fir Pulp

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Tons

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2198

MInD Symbol: FP-LGS-0044

Assessment: Whitewoods #2 Sawmill

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2201

MInD Symbol: FP-LGS-0047

Assessment: Whitewoods #3 Sawmill

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2202

MInD Symbol: FP-LGS-0048

Assessment: Whitewoods #4 Sawmill

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2203

MInD Symbol: FP-LGS-0049

Assessment: Whitewoods Pulp

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Tons

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2204

MInD Symbol: FP-LGS-0050

Assessment: Red Cedar Camp Run

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2207

MInD Symbol: FP-LGS-0053

Assessment: Red Alder #2 Sawmill

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2208

MInD Symbol: FP-LGS-0054

Assessment: Red Alder #3 Sawmill

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2209

MInD Symbol: FP-LGS-0055

Assessment: Red Alder #4 Sawmill

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Thousand board feet

Currency: US Dollar

Payment terms: Assume normal and customary payment terms.

Price Type: Prices reflect regular contract business between arms-length companies. Excludes spot or secondary market transactions, transactions between affiliated parties and transactions that are formally indexed to a published price.

Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2210

MInD Symbol: FP-LGS-0056

Assessment: Red Alder Pulplogs

Quantity: min. 500 ton

Location: Southern Oregon and the Willamette Valley

Incoterm: Delivered mill

Timing: Orders in the last two weeks of the month indicated.

Unit: Tons

Currency: US Dollar



Assessment Type: Assessments are published as a range with a high, low and average price.

Publication: Monthly. Prices reflect transactions over the second half of the month.

Notes Prices vary in increments of one dollar.

Price ID: 2211

MInD Symbol: FP-LGS-0057

#### **REGION 4 - INLAND WEST**

Region 4 - Inland West prices are provided by a third party, Northwest Management, Inc on a quarterly basis. For detail please contact NMI directly. <a href="http://northwestmanagement.com">http://northwestmanagement.com</a>.



# **Revision History**

Changes to methodology and specifications will be tracked here.

## December 2022 - Added Fastmarkets MInD Symbols

## August 2021 – Removes discontinued prices

In August 2021, Fastmarkets discontinued assessments for Region 1, Douglas fir, K8; Region 2, Douglas fir, K8; Region 3, Douglas fir, China 12L; Region 3, Douglas fir, K8; Region 3, whitewoods K8; Region 3, whitewoods, China 12L; Region 3, maple, #2 sawmill; and Region 3, maple, #3 sawmill log prices. These prices were removed from the methodology guide.

January 2021 – Updates list of price assessments in specifications section

September 2020 - Adds section on gueries and complaints

## May 2020 - Corrects units for pulplog assessments, adds missing series

This methodology guide was updated in May 2020 to correct the unit for pulplog assessments to tons and to add missing price series.

# August 2019 – Incorporates changes to Northwest market coverage

Following market consultation, new region-wide assessments for softwood roundwood and softwood sawmill chips were added or the Northwest region. At the same time, assessments at separate locations within the region were discontinued. This methodology guide was adapted accordingly.

# January 2019 – Fastmarkets rebranding

Fastmarkets RISI revamped all methodology and specifications guides, including for North America Timber and Biomass Markets, in January 2019 as part of a company-wide rebranding. This was done to improve the consistency of content across all Fastmarkets methodology guides and to give them a common look and feel.

The methodologies were not changed materially during this process, however additional detail was added on minimum transaction volumes considered, assessment windows and whether the assessments were intended to reflect prices at the time of publication or average prices over a certain period prior to that.



# **DISCLAIMER - IMPORTANT PLEASE READ CAREFULLY**

This Disclaimer is in addition to our Terms and Conditions as available on our website and shall not supersede or otherwise affect these Terms and Conditions.

Prices and other information contained in this publication have been obtained by us from various sources believed to be reliable. This information has not been independently verified by us. Those prices and price indices that are evaluated or calculated by us represent an approximate evaluation of current levels based upon dealings (if any) that may have been disclosed prior to publication to us. Such prices are collated through regular contact with producers, traders, dealers, brokers and purchasers although not all market segments may be contacted prior to the evaluation, calculation, or publication of any specific price or index. Actual transaction prices will reflect quantities, grades and qualities, credit terms, and many other parameters. The prices are in no sense comparable to the quoted prices of commodities in which a formal futures market exists.

Evaluations or calculations of prices and price indices by us are based upon certain market assumptions and evaluation methodologies and may not conform to prices or information available from third parties. There may be errors or defects in such assumptions or methodologies that cause resultant evaluations to be inappropriate for use.

Your use or reliance on any prices or other information published by us is at your sole risk. Neither we nor any of our providers of information make any representations or warranties, express or implied as to the accuracy, completeness or reliability of any advice, opinion, statement or other information forming any part of the published information or its fitness or suitability for a particular purpose or use. Neither we, nor any of our officers, employees or representatives shall be liable to any person for any losses or damages incurred, suffered or arising as a result of use or reliance on the prices or other information contained in this publication, howsoever arising, including but not limited to any direct, indirect, consequential, punitive, incidental, special or similar damage, losses or expenses.

We are not an investment adviser, a financial advisor or a securities broker. The information published has been prepared solely for informational and educational purposes and is not intended for trading purposes or to address your particular requirements. The information provided is not an offer to buy or sell or a solicitation of an offer to buy or sell any security, commodity, financial product, instrument or other investment or to participate in any particular trading strategy. Such information is intended to be available for your general information and is not intended to be relied upon by users in making (or refraining from making) any specific investment or other decisions.



Your investment actions should be solely based upon your own decisions and research and appropriate independent advice should be obtained from a suitably qualified independent adviser before any such decision is made.