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Whistler Waves

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Caroline Mallonée

Whistler Waves

for cello and orchestra

Ink to Paper
2015

Caroline Mallonée

Whistler Waves

for cello and orchestra

Commissioned by
The Buffalo Philharmonic
JoAnn Falletta, Music Director
Feng Hew, Cello

PROGRAM NOTE

Whistler Waves was inspired by the eponymous waves of its title. These waves are audible frequencies produced in the atmosphere after a bolt of lightning. There are four types of whistler waves, and the four movements of the piece correspond to these:

- I. Pure Note (in just intonation)
- II. Diffuse
- III. Echo Train
- IV. Two Step

Whistler Waves for cello and orchestra was written for Feng Hew and the Buffalo Philharmonic, JoAnn Falletta, Music Director. It is an expansion of a shorter piece for cello and strings written in 2013.

—Caroline Mallonée

INSTRUMENTATION

3 Flutes
2 Oboes
English Horn
2 Clarinets in Bb
Bass Clarinet
2 Bassoons

Timpani
Percussion (2 Players)
(Bass Drum, Tam-Tam, Sizzle Cymbal,
Suspended Cymbal, Guiro, Metal Cabasa, Maraca,
Triangle, Mark Tree, Rainstick, Slide Whistle,
Glockenspiel, Crotales (1 octave), Vibraphone)

Solo Cello

Violin I
Violin II
Viola
Cello
Contrabass

DURATION

ca. 18 minutes

NOTES ON THE SCORE

The score is transposed.
Accidentals last through the bar.

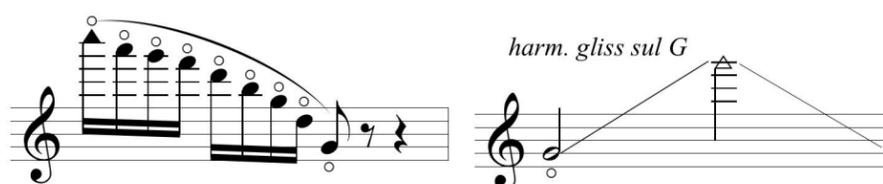
EXPLANATION OF SYMBOLS

The entire first movement (Pure Note) should be played in just intonation, i.e. tuned to the G harmonic spectrum, and *senza vibrato*.

A notated F-natural should be tuned to the seventh partial in the G harmonic series. It is 31 cents below an F in equal temperament.

A notated C quarter-sharp corresponds to the eleventh partial in the G harmonic series. It is 49 cents below a C-sharp in equal temperament (about halfway between a C-natural and a C-sharp).

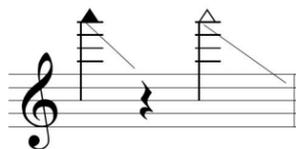
In addition, all B naturals should be slightly (14 cents) lower than an equal tempered B (i.e. tuned to the fifth partial).



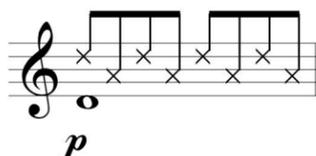
A glissando of natural harmonics. Rhythm and pitches are approximate. Do not play the open string.



To make the “seagull effect,” start with a stopped harmonic in a very high position with an octave span between the fingers. Glissando down the length of the fingerboard, without adjusting the space between the fingers. The glissando will restart several times.



Play the highest note possible.



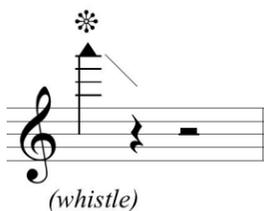
While bowing the open string, finger notes on the adjacent string. The overtones will change. I call this “shadow ringing.”



Make a continuous shushing sound, without pitch. It needn't be loud.



Drum on the shoulder (or another part) of the instrument using your fingertips.



Whistle a downward glissando, imitating the sound of the glissandi before it. If not enough people in the orchestra can whistle, the ending of the piece may be played by the strings *arco*; this is not desirable.

Whistler Waves

for cello and orchestra
Commissioned by
The Buffalo Philharmonic
JoAnn Falletta, Music Director
Feng Hew, Cello

Caroline Mallonée

I. Pure Note (in just intonation)

Freely ♩ = 60

Con moto ♩ = 60

Flute 1

Flute 2

Flute 3

Oboes 1 + 2

English Horn

Clarinets in B \flat 1 + 2

Bass Clarinet

Bassoons 1 + 2

Timpani

Percussion 1

Percussion 2

Solo Cello

Violin I

Violin II

Viola

Cello

Contrabass

Tacet Movement 1

f *p* *f* *ff* *f* *ff* *f* *p* *ff* *mf* *harm. gliss sul G* *mp* *mp* *mp* *f*

n *f* *n* *ff* *n* *mf* *mp* *n* *f*

Whistler Waves I

13 B
17

Fl. 1

Fl. 2

Fl. 3

Perc. 1

Perc. 2

Vc.

Vln. I

Vln. II

Vla.

Vc. l.v.

Cb. l.v.

n *f* *n* *mf* *p*

mp *mp* *mp* *mp* *mp*

harm. gliss sul G ad libitum

20

Fl. 1

Fl. 2

Fl. 3

Perc. 1

Perc. 2

Vc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

mp *mp* *mp* *mp* *mp*

harm. gliss sul G ad libitum

Whistler Waves I

25 *accel. poco a poco* C ♩ = 80

Fl. 1

Fl. 2

Fl. 3

Perc. 1

Perc. 2

Vc. *accel. poco a poco* C ♩ = 80

Vln. I *mp* 6 6 6 6 *ricochet mp*

Vln. II

Vla.

Vc.

Cb.

30

Fl. 1

Fl. 2

Fl. 3

Perc. 1

Perc. 2

Vc. *mp* 6 6 6 6 *mp* 6 6 6 6 *mp* 6 6 6 6 *mp* 6 6 6 6

Vln. I *ric. mp p mp p mp p mp*

Vln. II *pizz. mp p arco mp*

Vla.

Vc.

Cb.

Whistler Waves I

D

37

34

Fl. 1

Fl. 2

Fl. 3

Perc. 1

Perc. 2

Glock.

mp

mp

Vc.

37

Vln. I

p

mp

p

mp

p

mp

mf

Vln. II

mp

p

mp

p

mp

p

mf

Vla.

Vc.

Cb.

mf

p

38

Fl. 1

Fl. 2

Fl. 3

Perc. 1

Perc. 2

mp

mp

Vc.

38

Vln. I

pizz.

arco

ric.

ric.

pizz.

arco

mf

Vln. II

arco ricochet

pizz.

arco ric.

ric.

(Bow the open G string. Place fingers on the D string but do not bow.)

p

IV III IV III IV III

Vc.

pizz.

arco

mp

p

mp

p

mf

p

mf

Cb.

mf

p

mf

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Whistler Waves

II. Diffuse (in equal temperament)

Steady, not too fast ♩ = 50

Flute 1 *p*

Flute 2 *p*

Flute 3 *p*

Oboe 1 *p* "SHH" <> (vocalize)

Oboe 2 *p* "SHH" <>

English Horn *p* "SHH" <>

Clarinet in B \flat 1 *p*

Clarinet in B \flat 2 *p*

Bass Clarinet *p* "SHH" <>

Bassoon 1 *p*

Bassoon 2 *p* "SHH" <>

Timpani *p*

Percussion 1 *p* maraca guiro (scrape)

Percussion 2 *p* cabasa "SHH" <>

Cello *p* seagull sul A

Violin I *mp* ricochet ric. ric. ric. ric.

Violin II *pp* 3 sim. 3

Viola *mp* col legno

Cello *mp* pizz.

Contrabass *mp* 3 (drum with fingertips on shoulder of instrument)

Whistler Waves II

6

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

E. Hn.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

6

Timp.

Perc. 1

Perc. 2

6

Vc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

seagull

ric.

pp

sim.

n

dolce

mp

p

s.p.

A

B.D.

seagull

21 **C** Un poco piú mosso ♩ = 54

Fl. 1 *mp*

Fl. 2 *mp*

Fl. 3

Ob. 1

Ob. 2

E. Hn.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

Timp. *mp*
triangle

Perc. 1 *mp*
Vib.

Perc. 2 *mp* *mf*

Vc. *mp* *ric.*

Vln. I *mp*

Vln. II

Vla.

Vc. arco *mf* pizz. *mp* arco *mf* pizz. *mp* arco

Cb. arco *mf*

28 **D**

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

E. Hn.

B \flat Cl. 1

B \flat Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

28 **D**

Timp.

Perc. 1

Perc. 2

28 **D**

Vc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

seagull

ric.

"SHH" <>

seagull sul G

(drum with fingertips on shoulder of instrument)

seagull

seagull sul A

39 E
45

Fl. 1
Fl. 2
Fl. 3
Ob. 1
Ob. 2
E. Hn.
B \flat Cl. 1
B \flat Cl. 2
B. Cl.
Bsn. 1
Bsn. 2

39 E

Timp.

Perc. 1
glock.
mp
siz. cym.
(soft mallet)
mp L.V.

Perc. 2
B.D.
p

39 E

Vc.
mp

Vln. I
ric.
"SHH" <>

Vln. II
"SHH" <>

Vla.
"SHH" <>

Vc.
"SHH" <>
p

Cb.
"SHH" <>

67

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

E. Hn.

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

67

Timp.

Perc. 1

Perc. 2

67

Vc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

"SHH" <>

"SHH" <>

"SHH" <>

"SHH" <>

"SHH" <>

"SHH" <>

crotales L.V. guiro

mp *p*

ric. *ric.* *ric.* *ric.* *ric.* *ric.*

pp *sim.*

seagull

Whistler Waves II

71

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

E. Hn.

B \flat Cl. 1

B \flat Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

71

Timp.

Perc. 1

Perc. 2

71

Vc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

p *ppp*

mp *p*

ric. *ric.* *ric.* *ric.* *ric.* *ric.*

seagull ad libitum

rainstick

Whistler Waves

III. Echo Train

Misterioso ♩ = 72

The score is for a woodwind and string ensemble. It features the following parts: Flute 1, Flute 2, Flute 3, Oboe 1, Oboe 2, English Horn, Clarinet in B♭ 1, Clarinet in B♭ 2, Bass Clarinet, Bassoon 1, Bassoon 2, Percussion 1, Vibraphone, Cello, Violin I, Violin II, Viola, Cello, and Contrabass. The tempo is marked 'Misterioso' with a quarter note equal to 72 beats per minute. The key signature has one flat (B♭). The score is divided into two systems. The first system covers measures 1 through 5. Flute 1 and 2 play a melodic line with sixteenth-note patterns, marked *pp*. Flute 3 has a rest until measure 5, then plays a *pp* melodic phrase. Oboe 1 and 2 play a similar melodic line with triplets, marked *p* and *pp*. The string section (Cello, Violin I, Violin II, Viola, Cello, Contrabass) and Percussion 1 and Vibraphone are silent throughout this section.

Misterioso ♩ = 72

Misterioso ♩ = 72

6 A 7

Fl. 1 *mp* *p*

Fl. 2

Fl. 3

Ob. 1 *mp* *mp*

Ob. 2 *pp* *mp*

E. Hn. *mp*

B♭ Cl. 1 *mp* *p* *mp* *p*

B♭ Cl. 2

B. Cl.

Bsn. 1 *mp*

Bsn. 2 *mp*

Perc. 1 Tam-Tam (soft mallet) A L.V. *pp*

Vib. *arco* L.V. *sempre* *p* *p* *p*

Vc. 6 A *mp* *p* *warmly* *p* *p* *p*

Vln. I *warmly* *pp* *pp* *pp*

Vln. II *warmly* *pp* *pp* *pp*

Vla. *warmly* *pp* *pp* *pp*

Vc. *pp* *pp* *pp*

Cb.

Whistler Waves III

14

Fl. 1 *pp* **B** 16 *mp*

Fl. 2 *pp* 3

Fl. 3 *pp*

Ob. 1

Ob. 2 *p*

E. Hn.

B♭ Cl. 1 *p* 3

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

Perc. 1 **B**

Vib.

Vc. *mp* **B** 14 *p* 3 *mp* 3

Vln. I *pp* *p* *p*

Vln. II *pp* *p* *p* *p*

Vla. *pp* *p* *p* *p*

Vc. *pp* *p* *p* *p*

Cb. *p* *p* *p*

Whistler Waves III

Musical score for Whistler Waves III, page 26. The score includes parts for Flutes 1-3, Oboes 1-2, English Horn, B♭ Clarinets 1-2, Bass Clarinet, Bassoons 1-2, Percussion 1, Vibraphone, Violins 1-2, Viola, Violoncello, and Contrabass. It features various musical notations such as dynamics (pp, p, mp), articulation (accents), and performance instructions like 'sus. cym.' and 'arco'. The score is in 4/4 time and includes a rehearsal mark 'C' at measure 23. The percussion part includes a 'sus. cym. (soft mallet) L.V.' instruction.

30 D

Fl. 1 *pp* *pp*

Fl. 2 *pp* *pp*

Fl. 3

Ob. 1 *p* *p* *mp*

Ob. 2 *p* *p* *mp* *p*

E. Hn.

B♭ Cl. 1 *p*

B♭ Cl. 2 *p*

B. Cl. *p*

Bsn. 1 *pp* *p* *p*

Bsn. 2 *p*

Perc. 1 D

Vib. *mp*

Vc. *mp* *dolce* *p*

Vln. I *p* *mp* *p* *mp* *p*

Vln. II *p* *mp* *p* *mp* *p*

Vla. *p* *mp* *p* *mp*

Vc. *pp* *p* *p* *mp*

Cb. *p* *mp* *p* *mp*

Whistler Waves III

36

Fl. 1 *p* *mp* *p*

Fl. 2 *pp* *p*

Fl. 3

Ob. 1 *p* *p*

Ob. 2 *pp* *p* *pp* *p*

E. Hn. *p* *pp* *p*

B♭ Cl. 1 *p* *pp* *p*

B♭ Cl. 2 *p*

B. Cl.

Bsn. 1 *p* *p*

Bsn. 2 *p*

Perc. 1 *E*

Vib. *p* *p* *mp*

36

Vc. *mp* *p* *mp*

Vln. I *pp* *mp* *p* *non div.* *mp*

Vln. II *mp* *dolce* *mp* *non div.* *mp*

Vla. *mp* *mp* *p*

Vc. *mp* *mp*

Cb. *p* *mp*

E

E

E

44

F 46

Fl. 1 *mp* *mf* *p*

Fl. 2 *mp* *mf* *p*

Fl. 3 *mp* *mf* *p*

Ob. 1 *pp* *mp* *pp*

Ob. 2 *pp* *p* *mp* *pp*

E. Hn. *pp*

B♭ Cl. 1 *mp* *pp*

B♭ Cl. 2 *p* *mp* *pp*

B. Cl.

Bsn. 1

Bsn. 2

Perc. 1

F *mp* *mp* *p*

siz. cym. (scrape) Tam-Tam (soft mallet) L.V. sus.cym. (soft mallet) L.V.

Vib.

44

Vc. *mp* *mf* *p* upward seagull sul A upward seagull *p*

Vln. I *p*

Vln. II *p*

Vla. *p*

Vc. *p* *p* *pp* *p* arco

Cb. *p* pizz. arco

52 G

Fl. 1 *mf*

Fl. 2 *mf*

Fl. 3

Ob. 1

Ob. 2

E. Hn.

B♭ Cl. 1 *mp*

B♭ Cl. 2 *mp*

B. Cl.

Bsn. 1 *mp*

Bsn. 2 *mp*

G B.D.

Perc. 1 *pp*

Vib. *mf* arco

Vc. *mp* *mf*

Vln. I *mp* *mf* *f*

Vln. II *mp* *mf*

Vla. *mp* *mf*

Vc. *mp* *mf*

Cb. *mp* *mf*

cresc. *cresc.*

Whistler Waves III

Musical score for Whistler Waves III, page 31. The score includes parts for Flutes 1-3, Oboes 1-2, English Horn, Clarinets (Bb, Bb, B), Bassoons, Percussion, Vibraphone, Violins I & II, Viola, Violoncello, and Contrabass. It features dynamic markings such as *mf*, *f*, *ff*, *mp*, *p*, *pp*, and performance instructions like *dolce* and *(with mallets)*. Measure numbers 59 and 64 are indicated.

Whistler Waves III

66

Fl. 1 *pp*

Fl. 2 *pp* *p*

Fl. 3 *pp*

Ob. 1

Ob. 2

E. Hn.

B \flat Cl. 1 *mp* *pp* *p* *pp*

B \flat Cl. 2 *p*

B. Cl. *mf* *p*

Bsn. 1 *mp* *mf* *p*

Bsn. 2 *mp* *mf* *p*

Perc. 1

Vib. *(soft mallet)* *mp* *arco* *mf*

66

Vc. *mp* *f* *mf*

Vln. I *p* *pp* *p* *pp* *mp*

Vln. II *p* *pp* *mp*

Vla. *p* *pp* *pp* *mp*

Vc. *p* *pp* *p* *f* *mf*

Cb. *f* *mf*

Whistler Waves III

74

76

I

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

E. Hn.

B \flat Cl. 1

B \flat Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

Perc. 1

Vib.

74

I

Vc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

pp

pp

pp

p

pp

mp

p

mp

p

p

p

p

mp

p

p

mp

mf

mp

mp

mp

mp

p

p

p

p

78

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

E. Hn.

B \flat Cl. 1

B \flat Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

Perc. 1

Vib.

78

Vc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

Whistler Waves

IV. Two-Hop

Jaunty ♩ = 92

Flute 1

Flute 2

Flute 3

Oboe 1

Oboe 2

Clarinet in B \flat 1

Clarinet in B \flat 2

Bass Clarinet

Bassoon 1

Bassoon 2

Timpani

Percussion 1

Percussion 2

Cello

Violin I

Violin II

Viola

Cello

Contrabass

A

6

p

mp

pizz.

arco

3

5

6

p

pizz.

p

pizz.

pizz.

p

p

Whistler Waves IV

36

8

B

12

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

8

B

Timp.

Perc. 1

Perc. 2

Sus. Cym.

8

B

Vc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

arco

pizz.

ricochet

5

Whistler Waves IV

16 C
18

Fl. 1
Fl. 2
Fl. 3
Ob. 1
Ob. 2
B \flat Cl. 1
B \flat Cl. 2
B. Cl.
Bsn. 1
Bsn. 2

16 C

Timp.
Perc. 1
Perc. 2

16 C

Vc.
Vln. I
Vln. II
Vla.
Vc.
Cb.

Whistler Waves IV

38

22

D

26

Fl. 1

Fl. 2

Fl. 3

Ob. 1

Ob. 2

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

22

D

26

Timp.

Perc. 1

Perc. 2

Sus. Cym.

22

D

26

Vc.

Vln. I

Vln. II

Vla.

Vc.

Cb.

arco

pizz.

ricochet

p

Whistler Waves IV

29 **E** Un poco piú mosso ♩ = 92

32

Fl. 1 *mp* *mf* *mf*

Fl. 2 *mf*

Fl. 3 *mf*

Ob. 1

Ob. 2

B♭ Cl. 1

B♭ Cl. 2

B. Cl.

Bsn. 1

Bsn. 2

29 **E** Un poco piú mosso ♩ = 92

Timp.

Perc. 1 Cabasa *p* Sus. Cym. (*scrape*) *mp*

Perc. 2

29 **E** Un poco piú mosso ♩ = 92

Vc. *mf* *mp* *p*

Vln. I *p* arco pizz. *mf* *mp* *p*

Vln. II *mf* *mp* *p*

Vla. *mf* *mp* *p*

Vc. *mf* *mp* *p*

Cb.

Whistler Waves IV

40

36

Fl. 1 *f* *mf* *mp*

Fl. 2 *f* *mf* *mp*

Fl. 3 *f* *mf*

Ob. 1

Ob. 2

B♭ Cl. 1 *mp* *mp* *mf*

B♭ Cl. 2 *mp* *mf*

B. Cl.

Bsn. 1 *mp*

Bsn. 2 *mp*

F 42

36

Timp.

Perc. 1 triangle *mp* Cabasa *p*

Perc. 2

36

Vc. *pp* *mp* *mf* *mf*

Vln. I *pp* *mp* *mf* *mf*

Vln. II *pp* *mp* *mf* *mf*

Vla. *pp* *mp* *mf* *mf*

Vc. *pp* *mp* *mf* *mf*

Cb. *mp* *mf*

pizz. arco pizz. arco (pizz.) arco

Whistler Waves IV

44

Fl. 1 *mf*

Fl. 2 *mf*

Fl. 3 *mf*

Ob. 1

Ob. 2

B♭ Cl. 1 *mf*

B♭ Cl. 2 *mf*

B. Cl.

Bsn. 1 *mf*

Bsn. 2 *mf*

44

Timp.

Perc. 1 Cabasa *p*

Perc. 2

44

Vc. *f* arco *mf* ⁵

Vln. I *f* pizz. arco *mf* *f* arco

Vln. II *f* pizz. arco *mf* *f* arco

Vla. *f* pizz. arco *mf* *f* arco

Vc. *f* pizz. arco *mf* *f* arco

Cb. *f* *mf* *f* arco pizz.

Whistler Waves IV

42

51 **G**

Fl. 1 *mf* *mp*

Fl. 2 *mf* *mp*

Fl. 3 *mf* *mp*

Ob. 1 *mf* *mp*

Ob. 2 *mf* *mp*

B♭ Cl. 1 *mf* *mp*

B♭ Cl. 2 *mf* *mp*

B. Cl. *mf* *mp*

Bsn. 1 *mf* *mp*

Bsn. 2 *mf* *mp*

Timp. *mf* *p* *mf* *mp* *mf*

Perc. 1 triangle *p*

Perc. 2

Vc. *f*

Vln. I *f* pizz. arco *f* pizz. arco *mf* pizz. *f* arco

Vln. II *f* pizz. arco *f* pizz. arco *mf* pizz. *f* arco

Vla. *f* pizz. arco *f* pizz. arco *mf* pizz. *f* arco

Vc. *f* pizz. arco *f* pizz. arco *mf* pizz. *f* arco

Cb. *f* *f* *mf* *f* arco

Whistler Waves IV

58 62 H 43

Fl. 1 *mp* *p*

Fl. 2 *mp* *p*

Fl. 3 *mp* *p*

Ob. 1 *f*

Ob. 2

B♭ Cl. 1 *f*

B♭ Cl. 2

B. Cl.

Bsn. 1 *f*

Bsn. 2 *f*

58 H

Timp. *mf*

Perc. 1 Slide Whistle *mp* *p*

Perc. 2 Bass Drum

58 H

Vc. *mf* *f* *mp*

Vln. I *f* *mf* *mp*

Vln. II *f* *mf* *mp*

Vla. *f* *mf* *mp*

Vc. *f* *mf* *mp*

Cb. *f* *mf* *mp* *p*

arco

pizz.

arco

Whistler Waves IV

44

66

Fl. 1 *pp*

Fl. 2 *pp*

Fl. 3 *pp*

Ob. 1 *(whistle)*

Ob. 2 *(whistle)*

B \flat Cl. 1 *(whistle)*

B \flat Cl. 2 *(whistle)*

B. Cl. *(whistle)*

Bsn. 1 *(whistle)*

Bsn. 2 *(whistle)*

Timp. *(whistle)*

Perc. 1

Perc. 2 *(whistle)*

Vc. *(whistle)*

Vln. I *dolce* *(whistle)* *pp* *mf* *(cadenza)*

Vln. II *dolce* *(whistle)* *pp*

Vla. *p* *dolce* *(whistle)* *pp* *whistle downward glisses ad libitum*

Vc. *dolce* *(whistle)* *pp* *whistle downward glisses ad libitum*

Cb. *(whistle)* *pp*

Whistler Waves IV

74

Fl. 1
whistle downward glisses
ad libitum

Fl. 2
whistle downward glisses
ad libitum

Fl. 3
whistle downward glisses
ad libitum

Ob. 1
whistle downward glisses
ad libitum

Ob. 2
whistle downward glisses
ad libitum

B♭ Cl. 1
whistle downward glisses
ad libitum

B♭ Cl. 2
whistle downward glisses
ad libitum

B. Cl.
whistle downward glisses
ad libitum

Bsn. 1
whistle downward glisses
ad libitum

Bsn. 2
whistle downward glisses
ad libitum

74

Timp.
whistle downward glisses
ad libitum

Perc. 1
whistle downward glisses
ad libitum

Perc. 2
whistle downward glisses
ad libitum

74

Vc.
whistle downward glisses
ad libitum

Vln. I
whistle downward glisses
ad libitum

Vln. II
whistle downward glisses
ad libitum

Vla.
whistle downward glisses
ad libitum

Vc.
whistle downward glisses
ad libitum

Cb.
whistle downward glisses
ad libitum

Bass Drum

f

mf

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Solo Cello

Whistler Waves
Cadenza

72 *Freely*

74 *(Orchestra enters)*

76