

NCTIR BY THE NUMBERS

December 2020



THE EARTHQUAKE NOVEMBER 2016



7.8 MAGNITUDE
KAIKŌURA EARTHQUAKE

THE SOUTH ISLAND MOVED
6M CLOSER
TO THE NORTH ISLAND



THE EARTHQUAKE WAS A
WORLD RECORD
FOR THE GREATEST NUMBER OF
FAULT LINES RUPTURED
IN A SINGLE EARTHQUAKE
EVENT WITH OVER
FAULT LINES RUPTURING **20**

THE EARTHQUAKE
GENERATED A
TSUNAMI OF NEARLY
7 METRES IN PLACES

NCTIR



THE TOTAL ESTIMATED
COST TO REPAIR THE
DAMAGE TO THE SOUTH
ISLAND TRANSPORT NETWORKS
CORRIDOR IS \$1.24 BILLION

AS OF OCTOBER 2020
\$1.2 BILLION
HAS BEEN SPENT ON
RECOVERY AND RESILIENCE,
SH1 IMPROVEMENTS,
THE INLAND ROUTE,
AND GITA REPAIRS



WON 12
INDUSTRY
AWARDS
AND HIGHLY
COMMENDED FOR
3 AWARDS

EX-CYCLONE GITA FEBRUARY 2018



28%
OF KAIKŌURA'S ANNUAL
RAINFALL FELL IN
18 HOURS

THERE WERE
95
NEW RECORDED SLIPS
IN THE AREA

MORE THAN
120
OLYMPIC SWIMMING POOLS' WORTH
OF SLIP MATERIAL WAS CLEARED FROM

60 SITES
BOTH NORTH AND
SOUTH OF KAIKŌURA



SH1 REOPENED
EIGHT DAYS AFTER IT SHUT

FREIGHT TRAINS
STARTED
MOVING JUST
13 DAYS
AFTER EX-CYCLONE GITA

HARBOUR

MARINA
REOPEN
TO THE PUBLIC
ONE YEAR LATER

22,000M³
OF MATERIAL
DREDGED FROM
KAIKŌURA HARBOUR
ENOUGH TO FILL
9 OLYMPIC
SWIMMING
POOLS

130 PILES
WERE INSTALLED
IN THE HARBOUR,
IF THEY WERE
LAID OUT IN
A LINE THEY'D BE
THE LENGTH OF
7 RUGBY FIELDS

ROAD

SH1 NORTH AND SOUTH
OF KAIKŌURA REOPENED
ONE YEAR, ONE MONTH
AND ONE DAY AFTER
THE EARTHQUAKE

DURING DAYLIGHT
HOURS TO SUPPORT THE
TRAVELLING PUBLIC

BETWEEN CHEVIOT AND
CLARENCE THERE WERE
1,500+
DAMAGED SITES
200+ WITH
MAJOR ISSUES

85
LANDSLIDES

184KM
OF ROAD AFFECTED
BETWEEN WAIPIARA
AND PICTON

RAIL

RAIL REOPENED
TO RESTRICTED
RAIL SERVICES
10 MONTHS
AFTER THE EARTHQUAKE

70,000+
FEWER TRUCKS
ON UPPER SOUTH ISLAND
ROADS BECAUSE OF THE
FREIGHT MOVED BY RAIL

DAYTIME FREIGHT
OPERATIONS
RESUMED OCTOBER 2018
COASTAL PACIFIC
RESUMED
IN DECEMBER 2018

20
OF 21 TUNNELS AND
60 BRIDGES
DAMAGED

22
WORK SITES ALONG
190KM
OF TRACK

THE BUND AT ŌHAU
POINT IS ONE OF THE
LARGEST
RETAINING WALL PROJECTS IN
THE SOUTHERN HEMISPHERE,
COMING IN AT **515** METRES LONG

GEOTECHNICAL

HEAVILY LOADED
RETAINING WALLS,
UP TO 5M ABOVE THE
ROAD, ARE MADE UP OF
200+ PILES
WHICH ARE DRILLED TO
10M BELOW THE ROAD

NEARLY
50,000M²
OF ROCKFALL
PROTECTION MESH
HAS BEEN WRAPPED AROUND
21 SLIP SITES
PROTECTING THE ROAD
AND RAIL BELOW
THAT'S ENOUGH
MESH TO COVER
200 TENNIS COURTS

MORE THAN
2800
ROCK
ANCHORS
HAVE BEEN
INSTALLED ACROSS
7 SLIP SITES
SOUTH OF KAIKŌURA

29 ROCKFALL CATCH
FENCES INSTALLED,
TOTTALLING 2.5KM
IN LENGTH

45,000+
FISHBONES
STUDIED
ACROSS
21 DIFFERENT
SPECIES OF FISH

SEAWALLS

2.5KM
OF SEAWALL
HAS BEEN CONSTRUCTED

7500+
BLOCKS PLACED
TO BUILD SEAWALLS
NORTH OF KAIKŌURA

3 EACH SEAWALL
BLOCK MAKING
UP THE BASE OF THE
STRUCTURE WEIGHS
5 TONNES
WHICH IS THE SAME AS
7 COWS

THE TALLEST SEAWALL
TOWERS TO
10M
ABOVE SEA LEVEL
AND HAS BEEN TESTED
TO WITHSTAND A
100 YEAR
EVENT

ARCHAEOLOGY

42
ARCHAEOLOGISTS
AGED 23 TO 80 YEARS OLD
WORKING ON
246 IDENTIFIED SITES

400+
ARTEFACTS
STORED
IN THE
NEW
WHARE TAONGA

7,700+
LITHICS
(STONE ARTEFACTS)
RECORDED

26,500+
BAGS OF
MATERIALS
STORED IN THE
COLLECTION ROOM

CUSTOMER EXPERIENCE

OUR TRAFFIC CONTROLLERS
HAVE WAVED
63 MILLION
TIMES TO
PASSING
MOTORISTS
SINCE 2017

97
EDITIONS
OF THE BULLETIN
CREATED WITH AN
ONLINE READERSHIP OF
2,000 EACH
ISSUE

4 MILLION
VEHICLES HAVE USED
SH1 SINCE IT REOPENED

ENVIRONMENT

PROFESSIONAL
SEAL HANDLERS
PERSONALLY MOVED
16,000+ SEALS
SINCE FEBRUARY 2017

5000+ FISH
AND **150+**
LIZARDS HAVE BEEN
RELOCATED TO
PROTECT THEM
DURING CONSTRUCTION

9
BIRDS
RESCUED
WHILE OUT IN THE FIELD

PEOPLE

MORE THAN
6,500,000
WORKER HOURS
ON THE PROJECT

MORE THAN
1350
ORGANISATIONS
HAVE WORKED WITH NCTIR
INCLUDING CONSULTANTS,
SUBCONTRACTORS
AND SUPPLIERS

MORE THAN
8500 PEOPLE
HAVE BEEN
INDUCTED
INTO THE PROGRAMME

21,900
POSITIVE
SAFETY
CONVERSATIONS

NCTIR STAFF
ENGAGEMENT SCORE
CONSISTENTLY
ABOVE
80%

VILLAGE

OVER 3,100
PEOPLE HAVE CALLED
THE VILLAGE HOME
SINCE 2017

THE MOST NIGHTS
SLEPT
BY ONE
PERSON:
843!

220,000
BED
NIGHTS
PROVIDED

COMMUNITY

KAIKŌURA CAFES AND
RESTAURANTS HAVE
SUPPLIED MORE THAN
270,000
LUNCHES AND
DINNERS FOR THE
WORKERS
IN THE VILLAGE

OVER
180
LOCALS EMPLOYED

3
GENERATIONS OF
ONE FAMILY EMPLOYED

SCHOOL CHILDREN
PAINTED
332
TILES TO GO IN THE
SAFE STOPPING AREAS

TWICE WINNER OF BEST
STAND AT KAIKŌURA
A&P SHOW