

VOLUNTEER ACTIVITY FOR RIVER CLEANING BY EM TECHNOLOGY

:VENUE: THE INLET BETWEEN THE FUTAGO BRIDGE
AND CITY HALL, ITOMAN CITY, OKINAWA,
JAPAN

COMMENCEMENT: 10 OCTOBER 2004

PARTICIPANTS: VOLUNTEERS FROM CITY HALL AND
FISHERY CO-OPERATIVES





BEFORE EM APPLICATION

**PLENTY OF SLUDGE DUE TO THE DISCHARGED
POLLUTED WATER FROM UPSTREAM
HOUSEHOLDS.**

FOUL ODOR NEAR THE FUTAGO BRIDGE.



EM APPLICATION:

1 TON OF EMAS ONECE A WEEK AT THE UPSTREAM (STILL UNDER OPERATION)

11 OCTOBER 2004



**EMAS FLOWS INTO THE INLET FROM
UPSTREAM IN 1 HOUR**

PRODUCTION OF EM MUD BALLS



10 OCTOBER 2004



PRODUCTION OF EM MUD BALLS

10 OCTOBER 2004

THROWING EM MUD BALLS



10 OCTOBER 2004

**PLENTY OF SLUDGE WAS FOUND AT THE BOTTOM
OF THE INLET AT THE COMMENCEMENT OF THE
OPERATION**

10 OCTOBER 2004



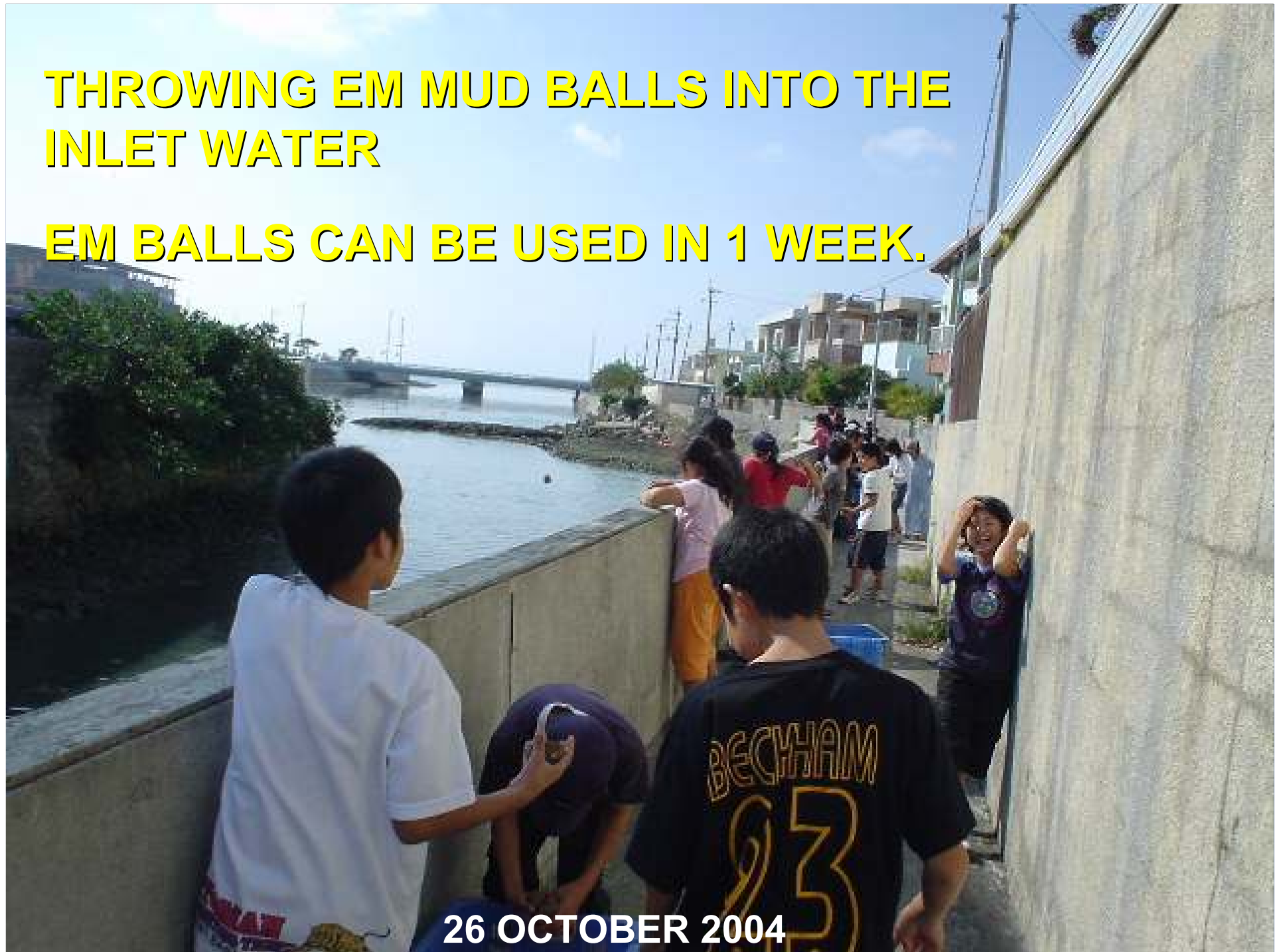
3,000 EM MUD BALLS WERE PRODUCED BY ELEMENTARY SCHOOL STUDENTS EVERY MONTH



ITOMAN ELEMENTARY SCHOOL, 16 OCTOBER 2004

**THROWING EM MUD BALLS INTO THE
INLET WATER**

EM BALLS CAN BE USED IN 1 WEEK.



26 OCTOBER 2004



**ITOMAN-MINAMI ELEMENTARY SCHOOL,
10 DECEMBER 2004**



21 DECEMBER 2004



21 DECEMBER 2004

**EM MUD BALLS STAY AT THE BOTTOM
EVEN 1 MONTH LATER AND CONTINUE TO
DIGEST THE SLUDGE**

16 DECEMBER 2004



SLUDGE STRATED REDUCING IN 2 MONTHS LATER

16 DECEMBER 2004



**SLUDGE AT THIS PART
CAME DOWN**




**SLUDGE AT THE UPSTREAM CAME DOWN
TO THE DOWNSTREAM**

21 DECEMBER 2004



**STUDENTS CONTINUED TO THROW
EM MUD BALLS**

21 JANUARY 2005



**6 MONTHS AFTER COMMENCEMENT
SLUDGE REDUCED AGAIN**

24 MARCH 2005



**SOMETIME IN JUNE SLUDGE FROM
THE UPSTREAM DISAPPEARED**

8 JUNE 2005



**WE CAN SEE THE SANDY BED
HERE AND THERE !**

8 JUNE 2005



**IN SUMMER WATER BECAME MORE CLEAR
AND VARIOUS AQUALIVES WERE
OBSERVED.**

23 AUGUST 2005

ABUNDANT SEAWEED APPEARED



8 JUNE 2005

NOW, CRABS CAN BE FOUND AS WELL...



28 SEPTEMBER 2005



**AT LOW TIDE WE CAN SEE MANY
SMALL HOLES OPENED BY CRABS.**

A LOT OF SEASHELLS REAPPEARED.

28 SEPTEMBER 2005

**THE INLET WATER AT THE FUTAGO BRIDGE
WILL BE CLEANED FURTHER BY
CONTINUOUS APPLICATION OF EM**



MANY REPORTS CAME FROM SUCH PLACES
LIKE SETO INLAND SEA, ARIAKE SEA AND
AGO-BAY THAT ABUNDANT SEAWEED AND
SEASHELLS APPEARED AFTER LONG-TERM
EM APPLICATION



**SOURCE OF POLLUTION
WILL BECOME SOURCE OF
PURIFICATION BY USING EM.**

**WE NEED COOPERATION OF
EACH INDIVIDUAL CITIZEN.**

**LET'S START FROM OUR
KITCHEN!**



THANK YOU

JAMOF SDN BHD