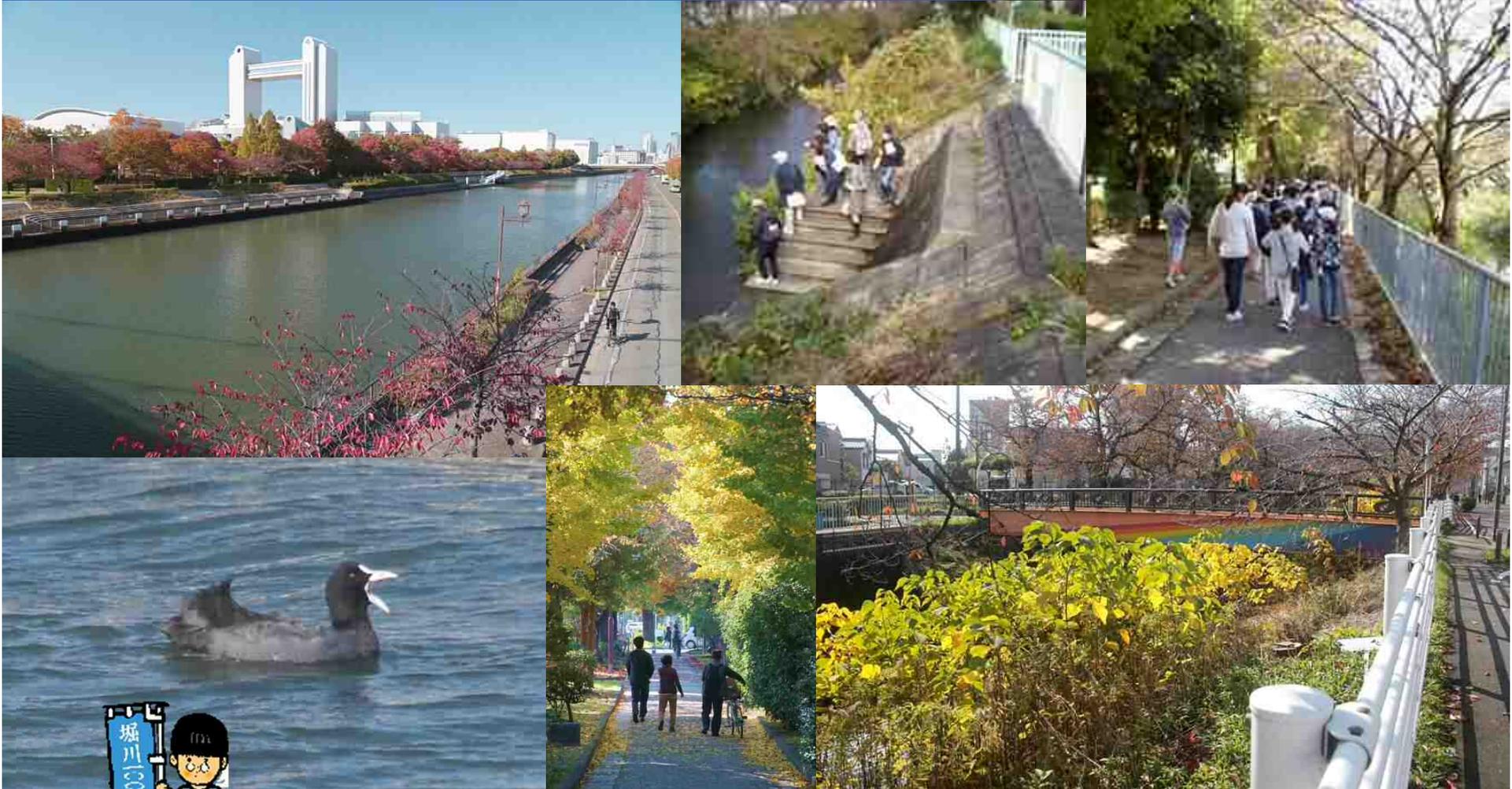


Horikawa Sen-nin Chosatai 2010 (HSC) Summary meeting for the 20th stage

Place:
Nagoya Urban Institute
Conference room (11th floor)



The secretariat of Horikawa Sen-nin Chosatai 2010

Feb.18th.2017

Photos: The secretariat of
Goyousui-ato-gaien-aigokai
Survey Group

1. Horikawa Sen-nin Chosatai 2010

~Transmission of Raw Water from Kiso River~

The formation of HSC (April.22nd.2007)

With a viewpoint and a sence of citizens, the survey of the clarification effect of TRWKR started

1.Purpose

To verify the clarification effects of TRWKR with citizens

- (1) Develop to new clarifying measures
- (2) Asses the influence on an ecosystem
- (3) Sustain and enhance citizens' activities
- (4) Develop citizens' awareness in the entire Horikawa River basin



- The survey from a viewpoint and a sence of citizens'
 - *Clearness *Transparency *Color *Bubble *Smell
 - *Garbage *Living things, etc

2.Water source and Volume of transmission of raw water

- (1) Water Source : Kiso River
- (2) Volume of transmission of raw water : Maximum 0.4 m³/s

3.Pilot project period

- (1) Evaluation and Survey term : About 5 years
(from Apr.2007 to Mar.2012)
(Including the term of follow-up survey and evaluation after the stop of TRWKR)
- (2) TRWKR period : about 3 years
(from Apr.22nd.2007 to Mar.22nd.2010)



The first Nagoya City Environmental Practice Prize, February.2012
Branch of contribution for Regional Environment Development Award for Excellence

■ Increase of Transmisson Volume from the Shonai River (additional pilot project)

1.Water source and Volume of transmission of raw water

- (1) Water Source : Shonai River
- (2) Transmission Usual 0.4m³/sec (maxium 0.7m³/sec)

2.Period of Increase

- (1) Experiment Period : Oct.1st – Dec.31st.2010
- (2) Period of Increased Transmisson Volume : Oct.5th – Nov.2nd.2010



Water Resource Contributor Awards
(Minister of Land, infrastructure and Transportation) Aug.2016



Transmission of Raw Water from Kiso River

3 years from April.22nd.2007(Stopped on March.22nd.2010)

To verify the clarification effects of TRWKR

Surveys during TRWKR period :

April.2007 ~ March.2010

Surveys after the stop of TRWKR period :

April.2010 ~ March.2012



Horikawa Sen-nin Chosatai

April.2007 ~ March.2012

- Fixed Point Observation Groups
Surveying effects of TRWKR
- Free Survey Groups Researching
Horikawa River by free themes
- Horikawa Cheering Groups Cheering
clarification of Horikawa

The survey from
a viewpoint and a
sence of citizens

Results of pilot project (Clarification effects of TRWKR)

- It was confirmed that the water quality tended to improve during TRWKR between Sanage Bridge and Matsushige Bridge.
- Network of citizens who wish for clarification and restoration of Horikawa River expanded.
- Citizens' awareness of cleaning of the river was developed.

■ Role of Horikawa Sen-nin Chosatai

(Conclusions of Summary Meeting for the 10th Stage)

① More surveys should be implemented.

- Continuity of investigation, clarification of the situation of the river, identification of cause of pollution in the river, are needed.
- We improve our plan and take action against the pollution.
- After that, citizens and public administration do what is possible to clean the river.

② There are many things that citizens can do.

- We expand our partners who love Horikawa River and hope TRWKR again.
- We deepen exchanges with people living in the basin of Kiso, Nagara, and Ibi River.
- We check the effects of pollution removal from domestic wastewater and implement it in each house.

Water Environment of Horikawa River

Area of basin: 51.9km²

Length: 16.2km (Tidal effect section 13.6km)

Change in temperature, precipitation and hours of sunshine

Kiso River is our water source.

Cause of breeding of phytoplankton, nitrogen and phosphorus are included in wastewater from houses, factories and stores.

The primary cause of water pollution is wastewater from houses, factories, and stores.

Wastewater is discharged after treatment in wastewater treatment plant.

After heavy rain, wastewater is discharged without treatment.

Shonai River

Provisional raw water transmission: 0.3m³/s

Wastewater Treatment Plant

Sanage Bridge

Motoiri Sluiceway

Tide Gate

High Tide Horikawa River

Ebb Tide

Difference of water level is more than 2m between high tide and ebb tide.

Water level, direction of current and velocity are changed, by tide.

Nagoya Port

Rising

Groundwater, etc

Ise Bay

Sludge rises and floats.

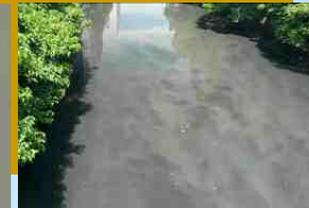


Shimizu wakuwaku-sui

It has looked like red tide or blue tide. In Nagoya Port and downstream of Horikawa, it is said that phytoplankton does over breeding and extinction, so water basin is polluted



Floating Sludge

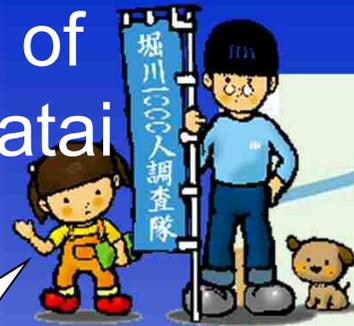


Raised Sludge

Number of Participants of Horikawa Sen-nin Chosatai

(Horikawa Sen-nin Chosatai started accepting participation on 26th Mar.2007)

Network of citizens who wish for clarification and restoration of Horikawa River is growing.



Investigation spots



Citizen network of more than 50 thousand people

Horikawa, the Mother River of Nagoya, was polluted in rapid economic growth. The citizens have risen to get the past back.



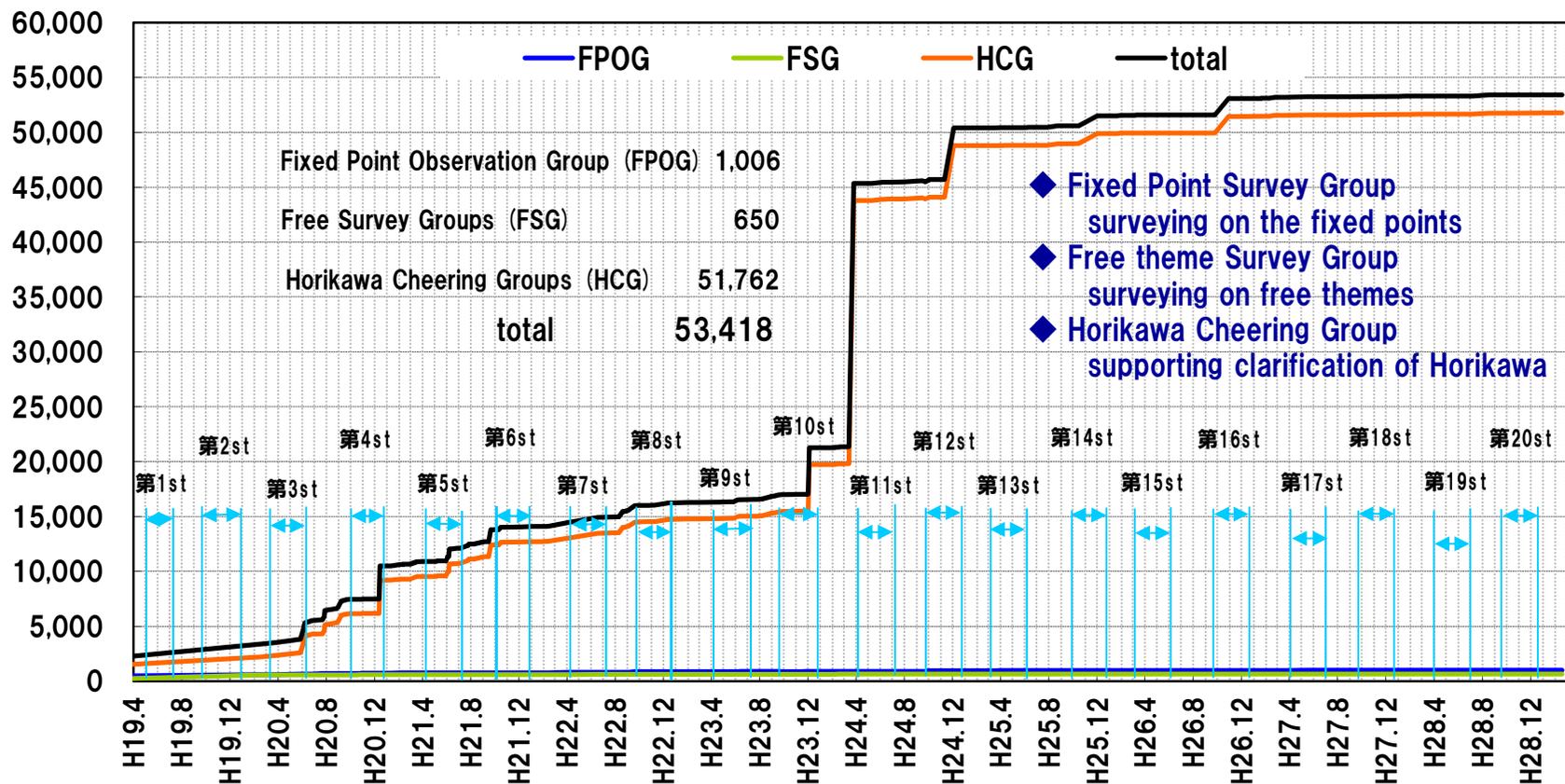
	Start 22nd Apr.2007	Now 18th Feb.2017
Fixed Point Observation Groups	55 groups 497 persons	99 groups 1,006 persons
Free Survey Groups	22 groups 234 persons	40 groups 650 persons
Horikawa Cheering Groups	88 groups 1,531 persons	2,583 groups 51,762 persons
Total	165 groups 2,262 persons	2,722 groups 53,418 persons



Number of Participants



Number of Participants in 3 classes

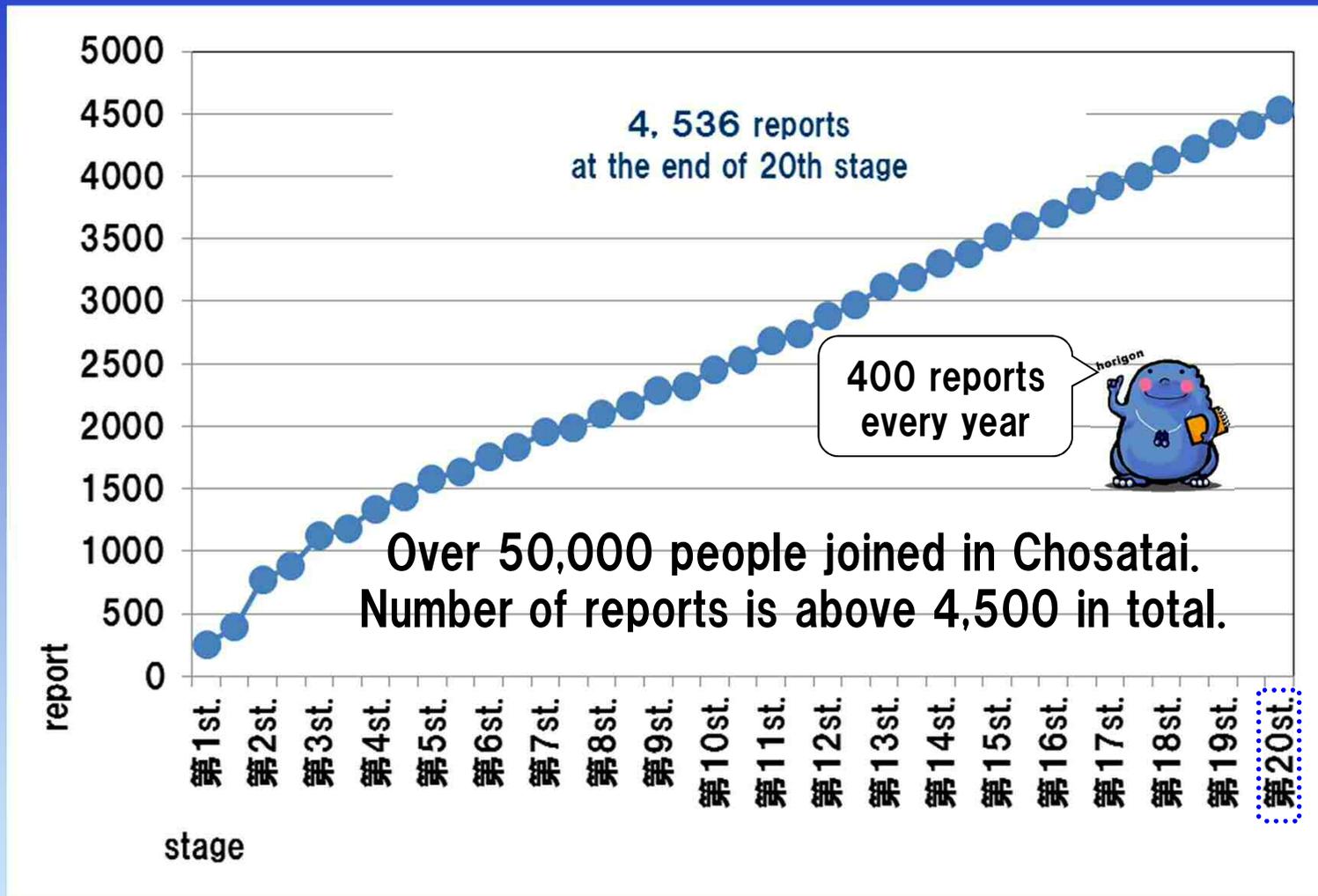


3. Survey Periods and Number of Reports



		survey period		reports
	With TRWKR	1st stage	Spring-Early summer/Apr22-Jun30 2007	258
	Utilization of shallow ground water		interval	134
		2nd	Autumn-Early Winter/Sep8-Dec16 2007	383
			interval	103
		3rd	Apr1-Jun30 2008	245
			interval	64
		4th	Sep28-Dec16 2008	152
			interval	100
		5th	Apr1-Jun30 2009	145
			interval	54
		6th	Sep27-Dec16 2009	120
			interval	81
		7th	Apr1-Jun30 2010	111
			interval	44
		8th	Sep12-Dec17 2010	104
			interval	72
		9th	Apr1-Jun30 2011	112
			interval	42
		10th	Sep11-Dec16 2011	133
			interval	77
	11th	Apr1-Jun30 2012	148	
		interval	60	
	12th	Sep22-Dec16 2012	139	
		interval	92	
	13th	Apr1-Jun30 2013	145	
		interval	70	
	14th	Sep29-Dec17 2013	113	
		interval	79	
	15th	Apr1-Jun30 2014	133	
		interval	91	
	16th	Sep29-Dec16 2014	99	
		interval	107	
	17th	Apr1-Jun30 2015	113	
		interval	81	
	18th	Sep20-Dec16 2015	126	
		interval	91	
	19th	Apr1-Jun30 2016	127	
		interval	60	
	20th	Sep20-Dec16 2016	128	
	total		4,536	

Number of Reports



We got 4536 reports in total by when 20th stage finished.
(April 2007 - December 2016)

Lots of people research the water environment of Horikawa River
continually from a viewpoint and sense of citizens.

2. Report of the 20th stage survey

2.1. Introduction ~Column~

~Column~ History of the Decade of Horikawa Sen-nin Chosatai

Horikawa Sen-nin Chosatai was established at **April.22nd.2007**, as a place for citizens' activities, Fixed Point Observation Group, Free Survey Group and Support Group, for clarification and regeneration of Horikawa River. We **celebrated the decade anniversary in April**.

Fixed Point Observation Group examines Horikawa River with TRWKR, from a viewpoint and a sense of citizen for, confirming the clarification effect, water quality and elucidation of cause of pollution. Free Survey Group studies Horikawa River from various view points. Support Group supports clarification and regeneration of Horikawa River in various ways. Then the three groups wish for clarification and regeneration of Horikawa River, and work together in a large network.

Currently (**Feb.18th.2017**) there are a total of **2,722 groups and 53,418 persons in HSC, 99 groups in Fixed Point Observation Group, 40 groups in Free Survey Group and 2,583 groups in Support Group**. At the time of launch there were 165 groups and 2,262 persons. It shows that **the network of citizens wishing for clarification and regeneration of Horikawa River has expanded greatly**.

Fixed Point Observation Group **observed 4,536 times from 1st stage to 20th stage**. So far, we found that the state of the water changed from moment to moment due to the influence of the tides, at the downstream from the Sanage Bridge. And **we can found that a lot of observation results from the Fixed Point Observation Group can capture the average state of water quality of Horikawa River by citizens' point of view and sense, and understand the tendency of the change**.

~Social experiment of the clarification of Horikawa River "Confirmation of clarification effect of TRWKR from April.2007 to March.2012"~

We confirmed that water quality between Sanage Bridge to Matsushige Bridge had been improved by TRWKR (0.4m³/sec.) in five years. And in this period, we confirmed that the garbage (Artificial garbage: plastic type garbage etc.) reduced. It seems that the consciousness of the citizen changed, such as the cleaning activity became active.

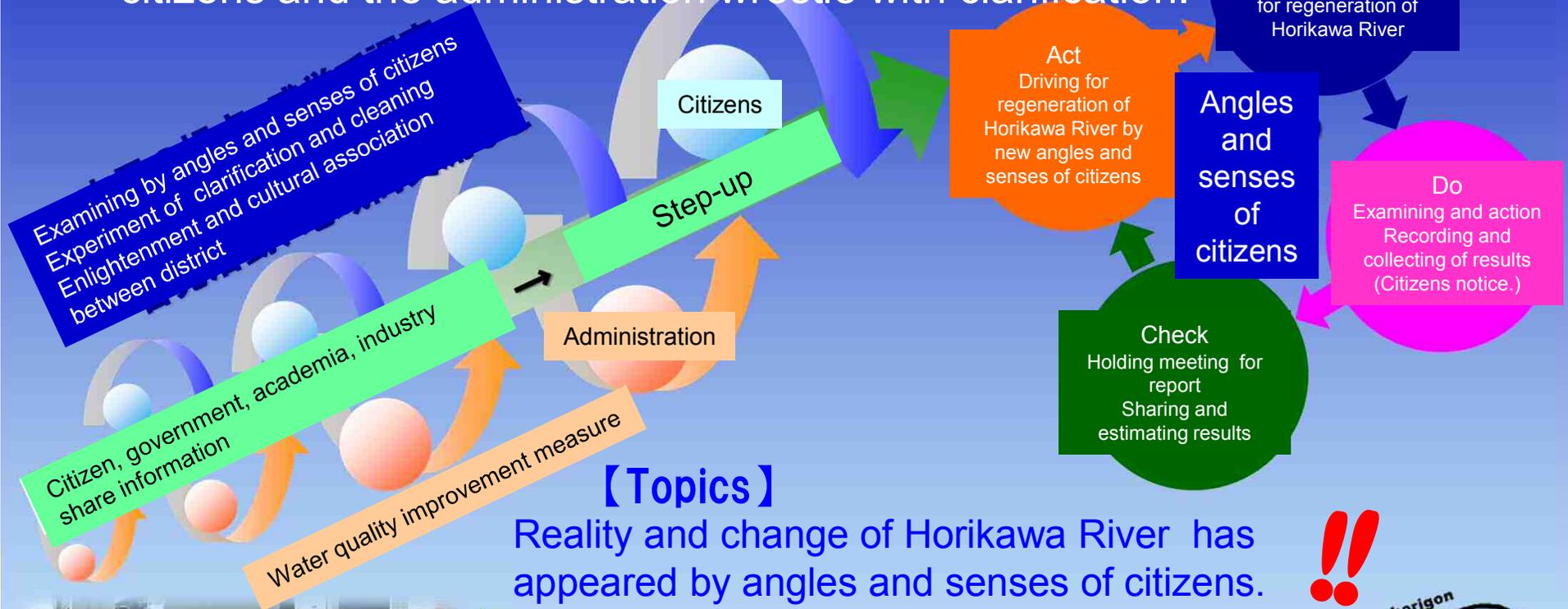
【Five years summary】

- We confirmed clarification effect of TRWKR.
- Network of citizens wishing for clarification and regeneration of Horikawa River has expanded greatly.
- Consciousness of the citizen changed, such as the action of the cleaning activity became active.



Step-up type of partnership with citizens and the administration !!

To Drive for regeneration of Horikawa River, citizens and the administration wrestle with clarification.



【Topics】

Reality and change of Horikawa River has appeared by angles and senses of citizens. !!

- ① Impression of cleanness improved on level of citizens' life.
We set up suppositions that the new measure improved.
- ② When the riverbed cleaned, the transparency improved.
We observed the experiment of clarification by covered sand.
- ③ We experiment in clarification by plants.
- ④ We set up suppositions of a large death of fish and mechanism of it.
- ⑤ We rendered the water color with the three primary colors.
- ⑥ We continue associating with upstream area and studying environment.



1. Weather in 20th Stage (Sep20–Dec16 2016)

More rainy & cloudy days, shorter sunny time and higher temperature than usual in Sep. and Oct. because of fronts and typhoons.

Temperature change bigger in Nov. but precipitation and temperature was almost same as the average. In December temperature was higher and there were some heavy rain.

Summary : High Temperature, High Precipitation, Short Time of Sunshine

2. Measures for improvement of water Quality after stopping TRWKR (March 2010)

- Introduction of Advanced water treatment at Meijo Water Treatment Center (May 2010)

- In-service of Horikawa Ugan Rain-water Reservoir for pollution control (September 2010)

We look forward to completion of Horiakwa Sagan Rain-water Reservoir.

- Utilization of reclaimed wastewater at Moriyama Water Treatment Center (August 2011)

4,000m³/day (0.046m³/sec) conducted during irrigation season(Apr.–Oct.)

- Making shallow and deep for Improvement of self-purification function and water environment

- Utilization of shallow grand water

Set a new well in the upstream of Nakatsuchido Bridge (March 2016)

- Experiment of covering sand for water purification (February 2015)

We are getting various reports on living things which will be data for knowlege about self purification of Horikawa River and improvement of water environment.

3. Change of Water Quality

Although water quality worsened after TRWKR, it got better gradually after 15th stage from Sanage Bridge towards downstream. We believe that change of peoples' awareness and government's new measures made it.

In the 19th&20th stage impression of water and transparency got worse a little compared to the 17th &18th stage because of high temperature and high precipitation we guess.

We are worried that global warming and climate change make water quality of Horikawa River worse again.



Survey results show that ratio of bubbles from river bed in spring-early summer is higher than autumn-early winter. Accordingly we built hypothesis below noting relation between bubbles and water temperature. (see:6.5.Bubbles)

(Hypothesis) When temperature rises, ratio of bubbles increases

If temperature of Horikawa falls, bubbles (including H₂S) can be decreased?

When bubbles decrease, smells and white-colored condition are suppressed.

To stop the global warming and fall water temperature of Horikawa, citizens can do a lot of things!

(Suggestion)
To clean Horikawa, what can citizens do?

To decrease water wastes from each houses, what can we do?

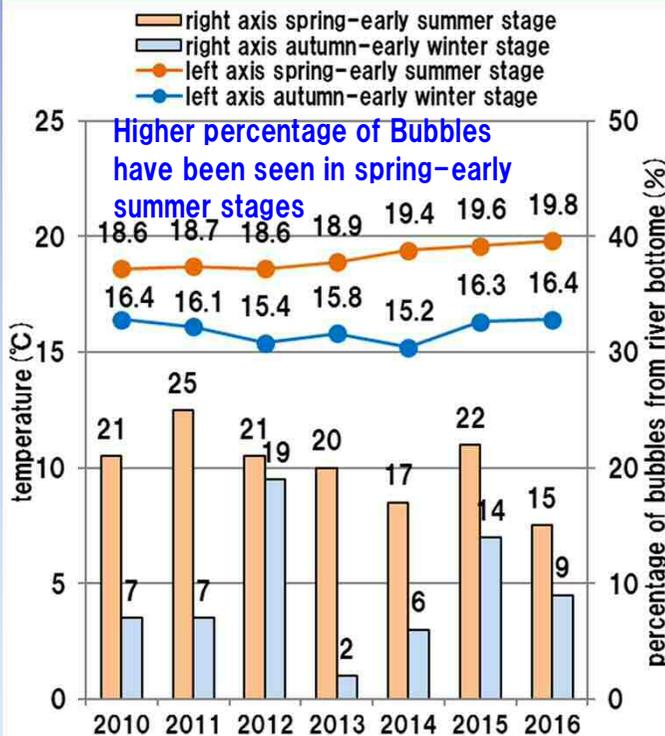
To fall temperature of Horikawa and stop the global warming, what can we do?



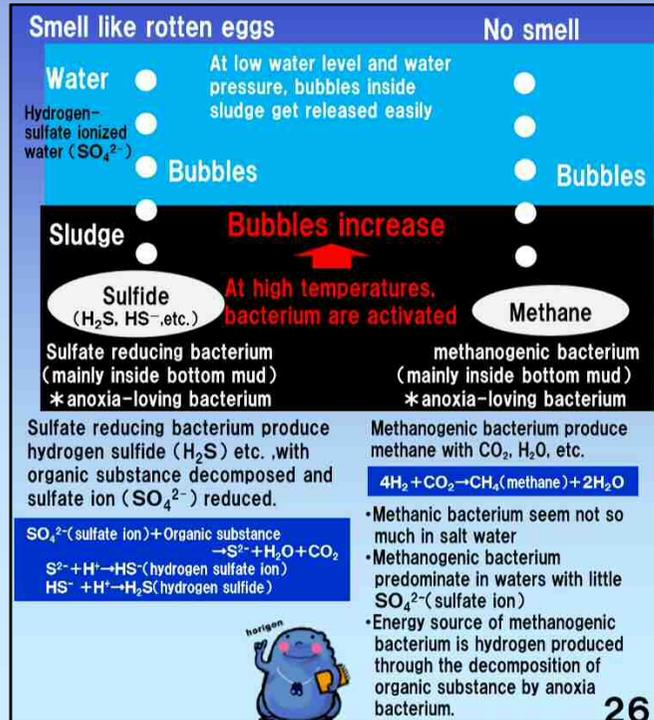
■ Decrease water wastes from houses!

- (1) Decrease wastes from kitchen
 - ① do not drain cooking wastes and left-over food
 - ② clean bad stains on dishes by paper and then wash them
 - ③ do not drain oil
- (2) Decrease wastes from laundry
 - ① use appropriate amount of high biodegradability soap or phosphorus-free detergent
 - ② set filter to remove lint

Ratio of bubbles from the river bed have relation to temperature? (see:6.5.Bubbles)



Examples of the mechanism of the occurrence of bubbles at the river bed (reference) Report from the 13th survey meeting



■ Stop the global warming!

- (1) Practice "Eco-style" Cool-biz, Warm-biz
- (2) Make "Green Curtain"
- (3) move eco-friendly public transportation system
- (4) Buy energy saving electric appliance etc.



Environmental Affairs Bureau, City of Nagoya (2016 Feb.)

4. State of Shin-horikawa River

The number of surveys in Shin-Horikawa River was 227 (the 20th stage : 112) at the end of the 20th stage. Because of the small number of data, this survey is organized using all data (including the day before and the rain on that day).

Shin-Horikawa River has **a dirty section (Maizuru Bridge ~ Kinen Bridge) of water in the most upstream**. The ratio of “terrible smell”, “bad smell”, “smell” and “slight smell” is 84%–94% between Maizuru Bridge and Kinen Bridge.

Based on the survey results (smell and water colors), HSC believe that the watershed will be like **blue tide**.

In order to clarify the situation of water quality in Shin-Horikawa River, it is necessary to accumulate a lot of data continuously.



Uzura Bridge



Kinen Bridge

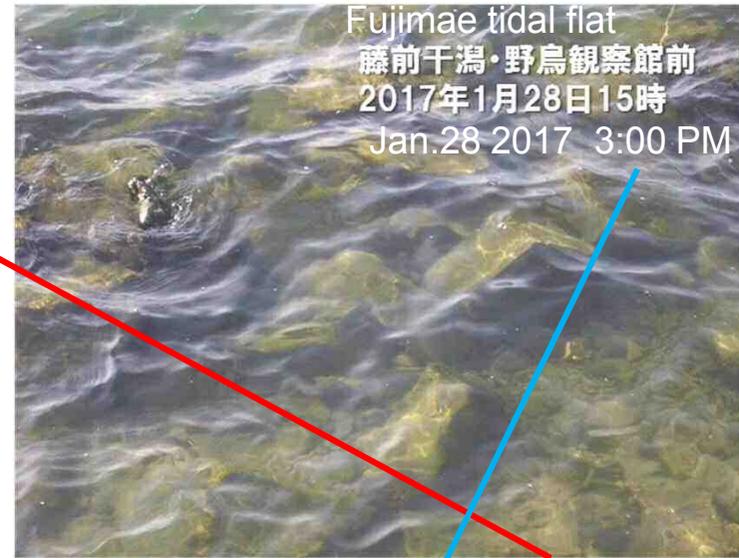


【Recent Report】

Hataya Bridge (Horikawa) (Left) and Fujimae tidal flat (Right) 堀川・旗屋橋と藤前干潟・野鳥観察館前の比較



Hataya Bridge (Horikawa)
堀川・旗屋橋下流船着場
2017年1月21日11時
Jan.21 2017 11:00 AM



Fujimae tidal flat
藤前干潟・野鳥観察館前
2017年1月28日15時
Jan.28 2017 3:00 PM



拡大 Enlarge
付着している藻類
Algae



位置図

撮影・報告: 佐藤ファミリー応援隊



6.12. Progress of Citizen's Awareness



中日新聞 平成28年9月4日(日) 朝刊記事より

中日新聞 2016年9月4日(日)

堀川の環境徐々に改善 1000人調査隊 降雨後の分析報告

名古屋市内を流れる堀川に流れ込ませ、排水の逆流による浸水を防いでいる。それが堀川1000人調査隊2010は降雨後の堀川を分析し、「市の浄化施策の効果がでてきている」と三日、中区金山町一の名古屋都市センターで開いた会議で報告した。

市は、堀川周辺でまとまった雨が降ると、雨水が入る生活排水を水質が良くなることと、

堀川の水質調査の報告をする服部事務局長＝中区の名古屋都市センターで

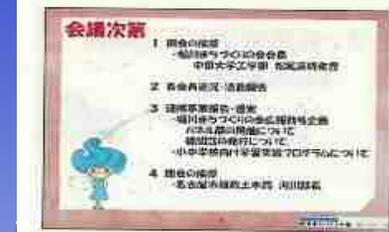
horigon

名古屋市内を流れる堀川に流れ込ませ、排水の逆流による浸水を防いでいる。それが堀川1000人調査隊2010は降雨後の堀川を分析し、「市の浄化施策の効果がでてきている」と三日、中区金山町一の名古屋都市センターで開いた会議で報告した。

調査隊の会員がこれまで集めた定点観測記録四千四百件を分析したところ、上流部では雨の翌日にかえって水質が良くなることと、

調査隊は二〇〇七年に発足し、現在は堀川沿いの住民ら五万三千人が登録。水においや色、生息する生き物などを継続調査している。(小椋由紀子)

Chunichi Newspaper about the 19th survey meeting



7th Horikwa Round Table
"Horikawa Machidukuri no Kai"
Aug. 9 2016

日本水質学会特別賞 受賞記念 第7回 中京三川流域シンポジウム

木をつかうこと 考えてみませんか?

2017.1.19
13:00-16:23
ウインクあいち

堀川1000人調査隊



7th Symposium of Kiso Three River Basin Partnership
Jan.19 2017 report:bureaucrat

Progress of Citizen's Awareness and Activity of Studying

主催・協力・報告

- ・黒川ドリーム会
- ・御用水跡街園愛護会調査隊
- ・ロマン黒川
- ・北区役所



飯田小学校4年生 課外学習 Sep. 14 2016



清水小学校トワイライトスクール観察会 Aug.4 2016



愛知学院大学「地域連携学」講座 Oct. 15 2016



金城小学校トワイライトスクール観察会 Aug. 6 2016



大杉小学校6年生社会見学 Nov. 11 2016



御用水跡街園愛護会主催川遊び Aug. 10 2016



Tour of Construction site of Horikawa Sagan Reservoir Nov. 26 2016
堀川1000人調査隊2010実行委員会
報告:事務局



黒川親子ふれあい川遊び (黒川ドリーム会主催) Aug. 13 2016

Horikawa Clean Experiment with Chinese Water Spinach and SunPatiens

June 17th ~ November 18th, 2016

By Ena Agricultural High School, Nagoya Horikawa Lions Club
Place: near the pier of Naya Bridge



experiment started June 17



July 15st



June 24th



July 22st



July 1st



July 27st



July 8st



Aug. 5th

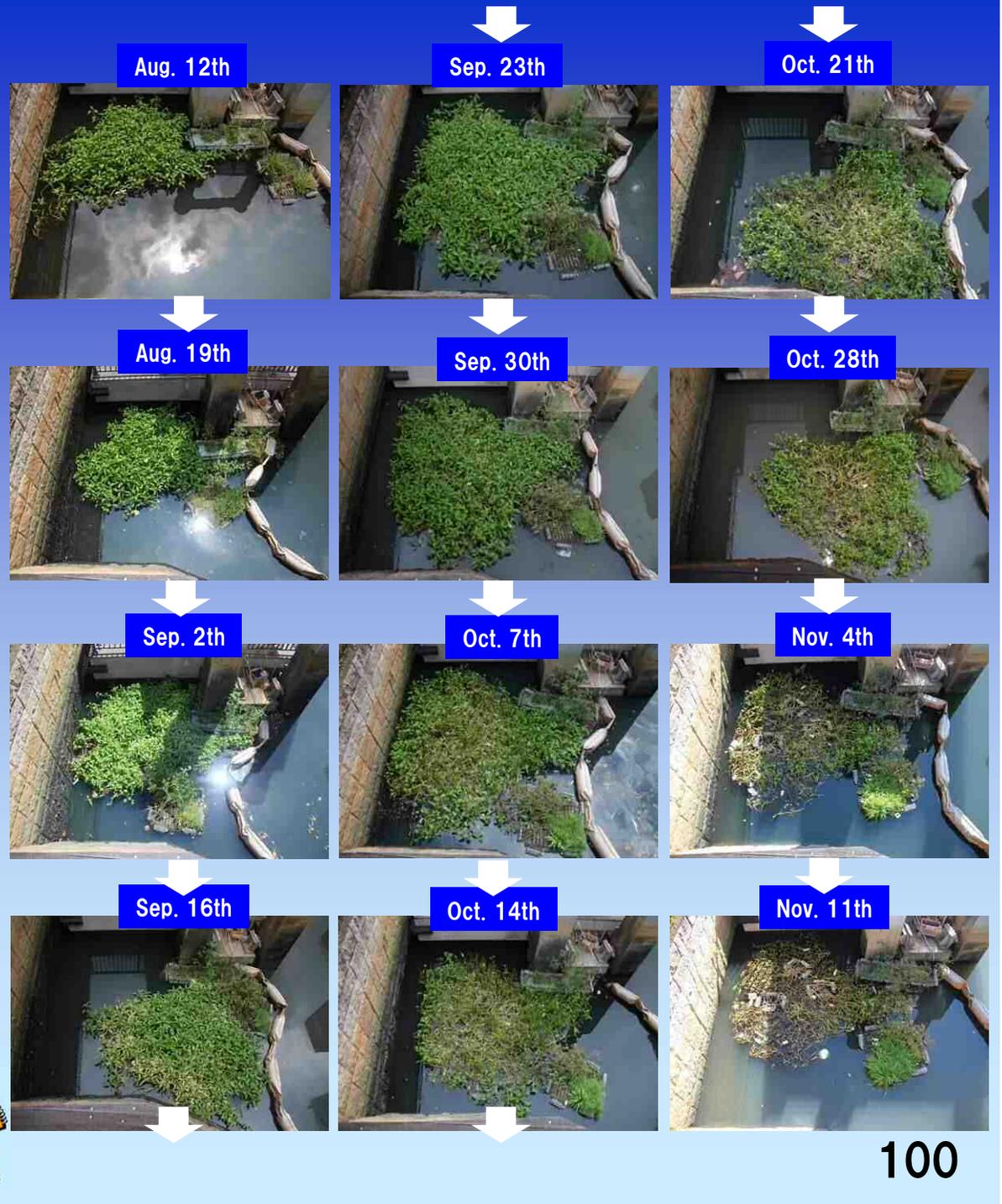




Creatures



Caterpillars occurred in late September were eating leaves.



Progress of Citizen's Awareness

Activities of "Free Survey Groups" & "Cheering Groups"

第17回 秋の堀川一斉大そうじ
 主催:クリーン堀川
 平成28年9月10日(土)

堀川上流部の最後の瀬淵
 の新設工事 開始
 平成28年12月27日(火)
 報告:御用水跡街園愛護会調査隊

第17回 クリーン堀川主催 秋の堀川一斉大そうじ ~ 参加者大募集 ~

クリーン堀川は、2000年から「堀川一斉大そうじ」を秋に開催してきました。2010年からは規模を拡大し、春・秋と2回開催しています。美しい堀川、楽しめる堀川を目指して、みんなで大そうじをしませんか？堀川の未来は、私たち市民に委ねられています。



- 開催日 平成28年9月10日 (土)
- 集合場所
 - *北区 北清水親水広場 10時~
 - *中区 ビア納屋橋前 10時~
 - *熱田区 宮の渡し公園 13時~
- 参加方法 少雨決行です・参加は各自判断をお願いします!!!
 真面目な活動の担当者までお申込みください。
 (9月8日締切)

17回秋の堀川一斉大そうじ 参加者申込書

1. 集合場所	*北区 北清水親水広場 *中区 ビア納屋橋前 *熱田区 宮の渡し公園
2. 会社名(学校名)	
3. 名前	姓 名
4. 住所	
5. 電話番号	

* 複数でご参加いただける場合は、代表者の連絡先をご記入ください。



定点観測
 鯉城・堀川と生活を考える会
 調査隊
 平成28年9月27日(火)



英文HPの第19弾を作成 WBP堀川応援隊

Let's make Horikawa River Limpid

The records of the activities of
 Horikawa Sen-nin Chosatai 2010



Horikawa is improving little by little from upstream!
 The 19th HSC (Horikawa Sennin Chosatai) conference

Date: Sep 3rd, 2016
 Time: 13:30 ~ 16:00
 Place: Nagoya Urban Institute

From secretariat Sep 3rd, 2016

We held the 19th HSC conference on Sep 3rd, 2016.
 Around 80 people, citizens and local government staffs attended this conference.

Click these links to see our surveys!!

- ⇒Summary of the HSC's survey (English)
- ⇒Outline of the HSC's survey (Spanish)
- ⇒Report of the Survey by Nagoya City (English)

Let's ask your friends and make survey groups and cheering groups!

- ⇒Recruitment Information (Japanese)
- ⇒Application Form (Japanese)
- ⇒Newspaper about the pilot project

Horikawa Sen-nin Chosatai 2010
 Summary meeting for the 19th stage

Place:
 Nishioya Urban Institute
 Conference room (11th floor)

The secretariat of Horikawa Sen-nin Chosatai 2010
 Sep.3rd.2016

Photos: The secretariat of Goyosui-ito-gaien-aisogai Survey Group



定点観測
 中日本建設コンサルタント(株)
 かわせみ調査隊
 場所:錦橋

★みなさんの活動の様子を携帯電話などで写真を撮って送ってください。
 メールアドレス:2010@horikawa1000nin.jp

Progress of Citizen's Awareness Activities of "Free Survey Groups" & "Cheering Groups"



堀川浄化 沿道から

鯨城学園が「清掃大作戦」

堀川の水辺の環境をきれいにしてしようと市高年大学鯨城学園の在校生やOBら九百人が五日、「鯨城・堀川清掃大作戦」と銘打ち、川沿いの歩道や橋に落ちた枯れ葉や吸い殻などのごみを集めた。(安藤孝憲)

堀川近くの歩道などでごみ拾いをする参加者ら(中区錦1で)

主催団体の一つ、鯨城・堀川と生活を考える会の調査では、堀川にヘドロ化して堆積しているごみのほとんどが、歩道から風で落ちてきたものだった。水質改善には沿道の清掃が欠かせないと、二〇一二年から活動を続けている。

参加者は十一組に分かれ、黄緑色のジャケ



清掃活動
平成29年1月13日(金)
鯨城・堀川と生活を考える会
(名古屋市高年大学環境学科OB)



中日新聞 平成28年11月6日(日)朝刊より

ツト姿で、堀川の上流「した」。「作戦本部長をすることで市民にも堀川から下流までの十六ヶ所、務めた考える会の鵜飼の環境に関心を持って」と新堀川の五ヶ所を午前、幹雄代表(右)の名東区、もらい、浄化につなげ中の一時間半かけ清掃は「私たちが率先すていけたら」と話した。



第5回 鯨城・堀川清掃大作戦
平成28年11月5日(土)
主催:鯨城学園 報告:事務局

納屋橋付近 ヘドロの除去工事開始
平成29年1月13日(金)
報告:事務局

Progress of Citizen's Awareness Activities of studies

佐藤ファミリー応援隊 報告
平成29年2月1日(水) 報告:事務局



平成28年11月29日(火)11時47分
大潮_干潮12時19分 中土戸橋船着場階段
3月以降、浮遊物が多く、汚れが続く。



平成28年12月8日(木)13時20分
若潮_満潮 13時42分 中土戸橋船着場階段



平成28年12月16日(金)8時20分
中潮_満潮 8時25分 中土戸橋船着場階段

A kind of pochard was dead on the roadway around Nakamichito Bridge and we contacted the public health center immediately. A person from the public health center ran up, but it was not there already. Other people had moved it, and we heard that bird was negative for avian influenza at a later date. But pochard and wigeon found at Toyo Bridge are positive. Only 60 migratory birds returned though about 200 birds had fled off in March. The number of birds in the moat and the downstream is quite small.

Photos of the fixed point observation from November to January around Nakamichito Bridge.



平成28年12月25日(日)11時15分
中潮_満潮10時10分 中土戸橋船着場階段



平成28年12月30日(金)7時55分
中潮_満潮 6時59分 中土戸橋船着場階段



平成29年1月1日(日)9時36分
中潮_満潮 8時6分 中土戸橋船着場階段



平成29年1月9日(月)16時3分
中潮_満潮 16時3分 中土戸橋船着場階段



平成29年1月12日(木)9時20分
大潮_満潮 6時54分 中土戸橋船着場階段



平成29年1月13日(金)13時19分
大潮_干潮 13時00分 五条橋船着場

Although it was cloudy, the sandy area has high transparency. It was cold, but I get cheered by clear water. About 20 mallard ducks and 10 pochards were floating under the bridge.

Progress of Citizen's Awareness Activities of "Free Survey Groups" & "Cheering Groups"

朝日新聞 2016年(平成28年)11月18日 9刊



新堀川 悪臭ひどくなった?

名古屋市内を流れる新堀川、主に悪臭に苦情が生じている。川沿いの住民からの苦情が出ると、市が調査するが、その結果は必ずしも悪臭の原因を特定し、対策を講じているわけではない。市民目線の調査が必要だ。

水質異常ないけど…苦情

名古屋市の中心部を流れる新堀川、水質は異常ないけど、苦情が続いている。市民目線の調査が必要だ。

名古屋市の中心部を流れる新堀川、主に悪臭に苦情が生じている。川沿いの住民からの苦情が出ると、市が調査するが、その結果は必ずしも悪臭の原因を特定し、対策を講じているわけではない。市民目線の調査が必要だ。

朝日新聞 平成28年11月18日(金) 夕刊より



堀川1000人調査隊

堀川1000人調査隊のメンバーが、新堀川沿いの住民から苦情を受け、調査を実施している。市民目線の調査が必要だ。

毎日新聞 2016年(平成28年)12月5日(月) 名古屋

水質浄化行政と二人三脚

堀川1000人調査隊2010

堀川1000人調査隊は、市民目線の調査を実施している。市民目線の調査が必要だ。

市民目線の蓄積データ4000件

堀川1000人調査隊は、市民目線の蓄積データ4000件を蓄積している。市民目線の調査が必要だ。

毎日新聞 平成28年12月5日(月) 朝刊より



horigon

horigonは、市民目線の調査をサポートするキャラクターです。市民目線の調査が必要だ。

中日新聞 平成29年1月3日(火)朝刊より

中川運河 浄化作戦

名古屋市の中心部を流れる中川運河、浄化作戦が実施されている。市民目線の調査が必要だ。

名古屋市の中心部を流れる中川運河、浄化作戦が実施されている。市民目線の調査が必要だ。

中日新聞 平成29年1月22日(日) 朝刊より

周辺住民が市長に要望

新堀川の周辺住民が、市長に浄化対策を要望している。市民目線の調査が必要だ。

新堀川の周辺住民が、市長に浄化対策を要望している。市民目線の調査が必要だ。

Would you lend us a hand?

- We're looking forward to you Horikawa river information.
- Let us introduce your activities about Horikawa river
- Send us pictures of Horikawa river taken in Taisho or Showa era.

Mail : 2010@horikawa1000nin.jp

