

Living things

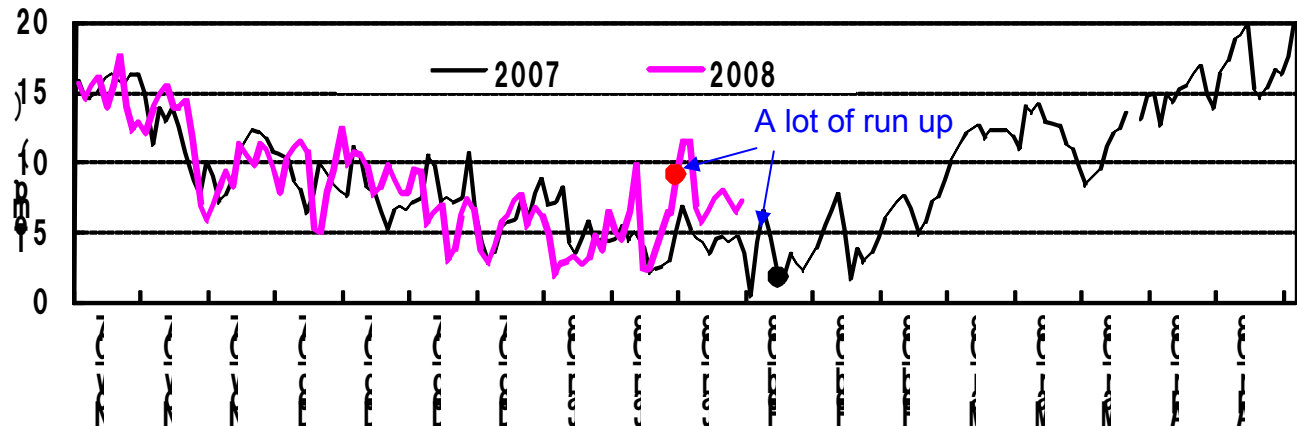


Summary of research about striped mullet's run up

Contents	2008					2009				
	date	tide	age in month	TRWKR	TRWSR	date	tide	age in month	TRWKR	TRWSR
A lot of run up	Feb.13rd	neap tide	6.0	off	on	Jan.29th	middle tide	2.8	on	on
fishkill	Feb.23rd	spring tide	16.0 ~17.0	off	on					
	Mar.6th	spring tide	28.0	on 5th13ter minate, 6th10res tart	off					
return	Mar.20th	middle tide	12.4	on	off					

■ When a lot of striped mullets run up?
 A lot of stripe mullets run up on Jan.29th 2009. It was about half month faster than 2008.

■ Average daily temp.

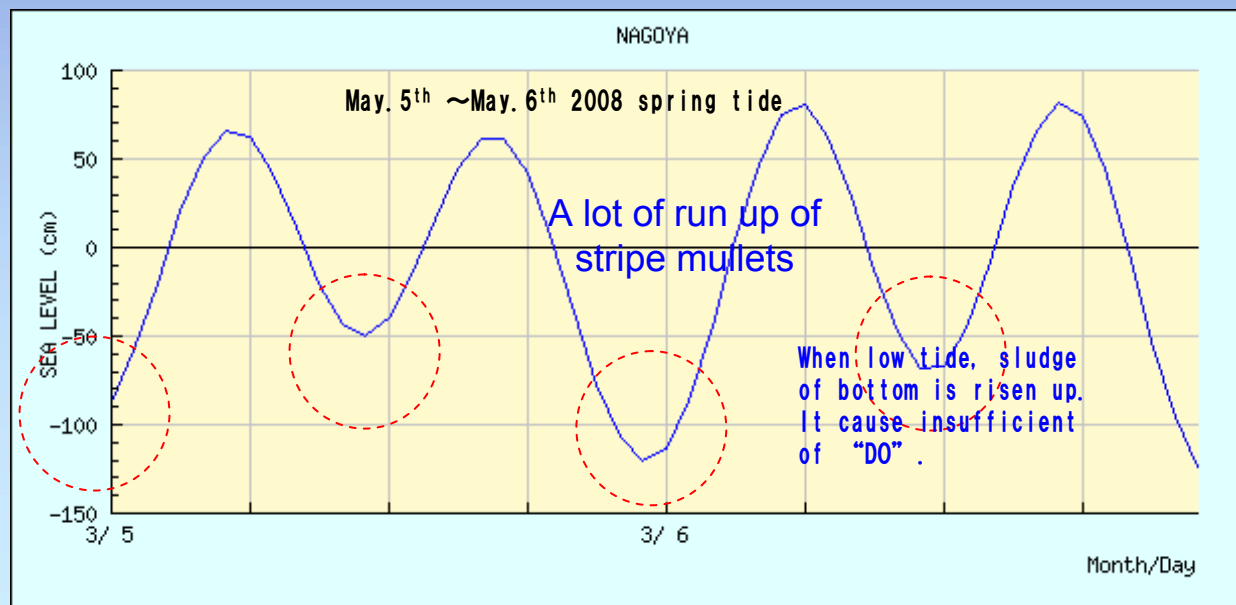
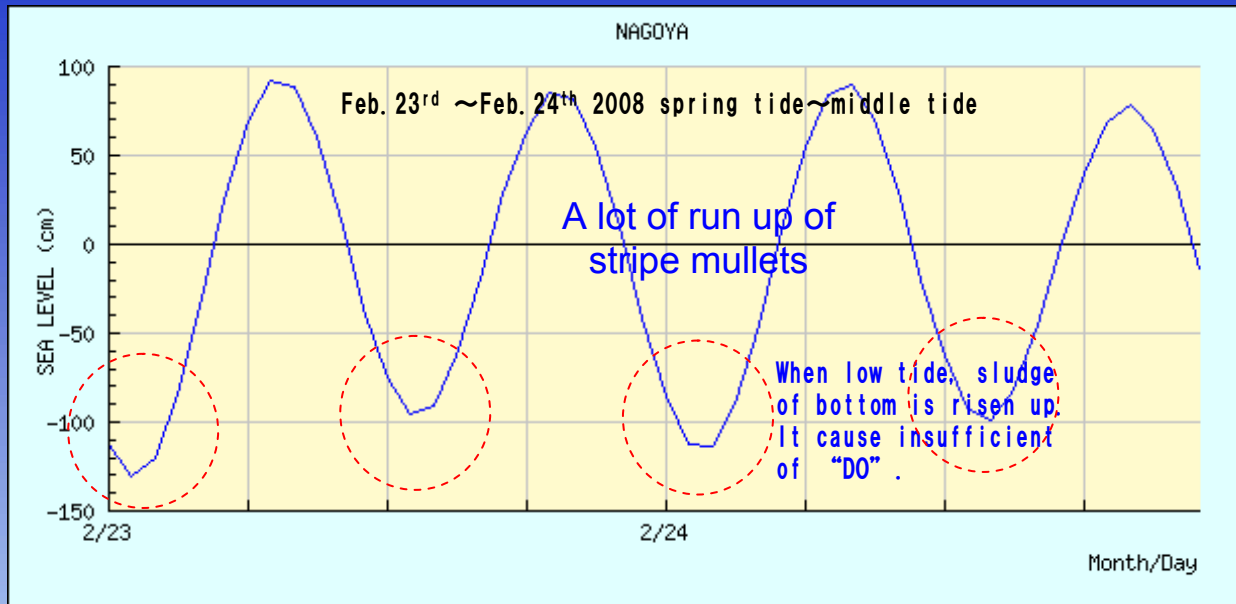


■ Average monthly temp.

fiscal year	Nov.	Dec.	Jan.	Feb.	Mar.
2007	12.5	8.0	5.1	4.0	10.4
2008	12.2	8.0	5.3		

■ How was the temperature?
 Large different can't be seen on average monthly temperature between 2007 with 2008.

Trend of tidal level when fish-kill in 2008



■ What is the cause of fish-kill? Insufficient of dissolved oxygen(DO) is seemed to be cause. The factor be expected to cause of it are;

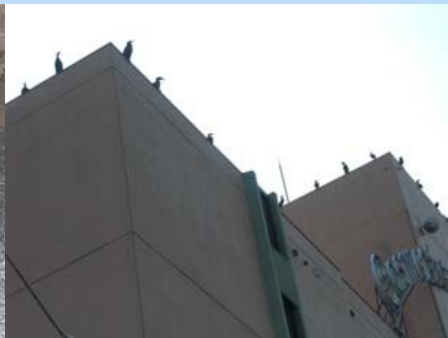
- consumed of DO by risen up sludge.
- consumed of DO by a lot of run up mullets.



Outline of reports of survey about striped mullets & great cormorant

■ Record of a lot of run up in 2009

- Jan.8th ,confirm of a lot of striped mullets, upstream of Nishiki bridge
- Jan.15th ,confirm of many great cormorants above Koshio bridge
- Jan.20th ,bevy of great cormorant moved to upstream, above Oto bridge
 ,no striped mullets could be confirmed, some great cormorants were near north western side of the Nagoya Castle
- Jan.23rd ,confirm of a lot of striped mullets around Nishiki bridge, confirm of a lot of great cormorants above Tenma bridge
- Jan.29th confirm of a lot of striped mullets around Kitashimizu bridge, turning bevy of great cormorant above Jyohoku bridge
- Jan.30th confirm of a lot of striped mullets around Sanage bridge, turning bevy of great cormorant above Jyohoku bridge



For future

Transmit clean water from the Kiso river

The 1st ~4th stage

Horikawa River

Its change compared with the beginning of TRWKR were;

- improvement of water pollution
- decrease of artificial garbage
- increase of water-weed breeding area

Horikawa sennin chosatai 2010

- fixed-point survey groups
- free survey groups
- Horikawa cheering groups

Confirm of these effect

- Implementation of various civic activities
 - decrease of garbage by cleaning activities
 - increase of citizens hope making the Horikawa river clean

■ By beginning of TRWKR, progress of civic awareness and visual effects (decrease of artificial garbage) were brought.



Next aim

- continuing civic cleaning activities and encouragement
- progress of cleaning awareness throughout all watershed area

Our aim is;

- revival of self clarification capabilities of Horikawa River
- creation of rich water environment

Eco-activities everyone can carry out

- to practice local production for local consumption
- never discharge cooking oil or dust into sewerage
- never discharge harmful emission into sewerage
- to avoid washing on rainy day etc.