



Recycled Stake Marker and Smart Information Marker



Kengo Okada
CEO
RIPRO Corporation, Japan



1. What is RIPRO ECO Company?



2. Information Smart (IoT) Stake Marker



3. Survey Stake Manga Book!

“The Incredible 8000 Kilometer Odyssey of a Survey Marker story”

Supporting FIG Young Surveyor Foundation

4th FIG EUROPEAN YOUNG SURVEYORS MEETING IN AMSTERDAM

Together for Tomorrow's Challenges

Following the success of previous meetings, the FIG Young Surveyors got together again during the 4th European Young Surveyors Meeting that took place from 2-6 June in Amsterdam, The Netherlands. These meetings bring together young surveyors from a wide range of countries who seek to inspire, motivate and act together as a strong network to help and engage like-minded young professionals. The European Young Surveyors meeting was organized in conjunction with the Common Vision Conference, held by five of the leading national agencies in Europe, giving the FIG Young Surveyors the opportunity to visit both events. The days were filled with inspiring lectures on their role as agents of change, which was also the general theme for the meeting. The presentations were followed by workshops involving young surveyors and guests to reflect on entrepreneurship, the future of the European branch of the FIG Young Surveyors Network and its cooperation with GSI, and the development of the profession.

YOUNG SURVEYORS READY FOR TOMORROW

The presence of university professors, entrepreneurs from the public sector and students has generated an exciting environment for the success of the 4th European Young Surveyors Meeting. Motivation between participants was generated in order to break down conventional barriers and foster collective creativity and the expansion of ideas. These meetings are an essential step to connect future leaders of the surveying profession at an early stage in their careers and see the origin of a well-functioning network across Europe.

MEMBERS WITHOUT BORDERS

The next session focused on initiatives by young professionals to address poverty and ensure security. Entrepreneurial judgement and innovation are essential for addressing these problems, especially in developing countries. Young professionals are encouraged to engage with local agencies in order to properly address the needs of the population. The European Young Surveyors and Mapping Agencies (EYSA) and the European Young Surveyors and Mapping Agencies (EYSA) are working to improve their skills and address the needs of the population. The European Young Surveyors and Mapping Agencies (EYSA) are working to improve their skills and address the needs of the population.

CAPTURING THE SPIRIT

After an inspiring day, the group headed to Gifford, a historic Dutch military fortress which has been redesigned as an education and science centre for all things 'Geo'. Gifford provides the context of geomatics with scientific cutting-edge and inspiration to a large audience through activities and exhibitions that are both fun and informative. At Gifford, the group was divided into teams to capture the spirit of the day and create a video about the day and their experiences. Participants learned about different cartographic applications, the role of the Gifford and better their understanding of the day by getting lost in an uncharted 'Geomatics' world.

WITH US WE CAN GO

The 4th European Young Surveyors Meeting was the last in the series of events organized by the FIG Young Surveyors Network. The event was a success and the FIG Young Surveyors Network is looking forward to the next meeting in 2018.





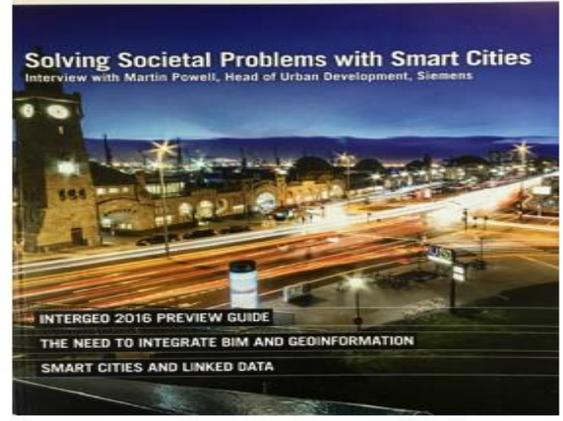
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Solving Societal Problems with Smart Cities

Interview with Martin Powell, Head of Urban Development, Siemens



INTERGED 2016 PREVIEW GUIDE

THE NEED TO INTEGRATE BIM AND GEDINFORMATION SMART CITIES AND LINKED DATA





RIPRO Manufacturing 5 million Recycled Stake Marker a year for Cadastral Survey! Reduce 3500t waste plastic film.

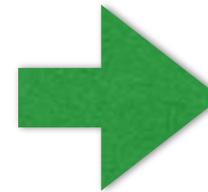


RIPRO Corporation, Japan
Found 1973
Locating Okayama city
Annual sales 1.25 billion Yen
Plastic Recycle Products and material, Plastic Film, Survey Equipment sale and manufacture, Plastic Mechanical design



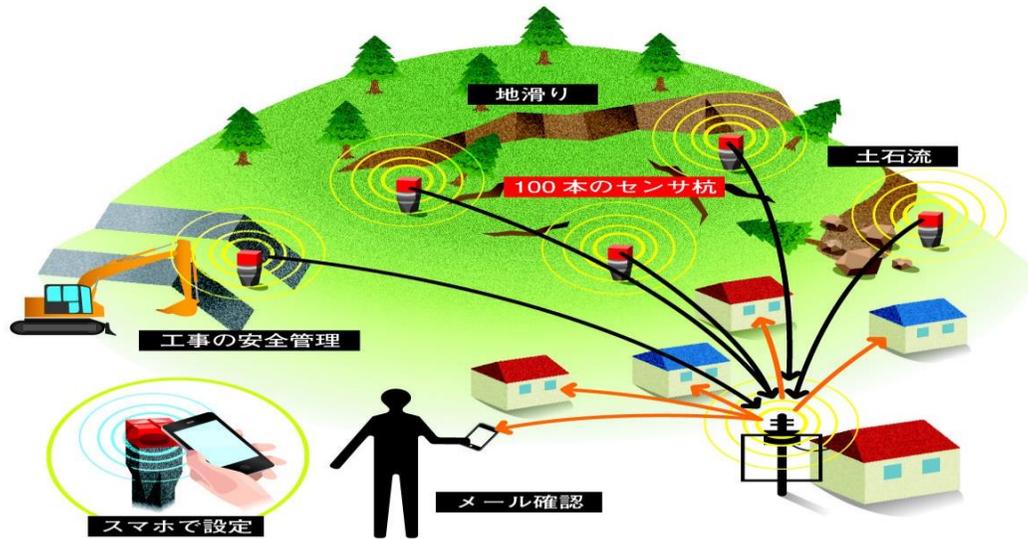
Ecological Contribution

- RIPRO 100% Plastic Recycled Material Stake Marker Company , Manufacturing 5million stakes/year=3500t (7.7million Lbs) save waste plastic each year! Eco recycled plastic stake started to manufacturing and sales 46 years ago means 3500tX40=140,000t(280 million Lbs) save waste plastic.
- Eco Recycled plastic stake contribute surveyor eco solution!



2, RIPRO

RIPRO founded Information Stake Marker Idea with RFID and Sensor in 1989.





Against Tsunami Disaster

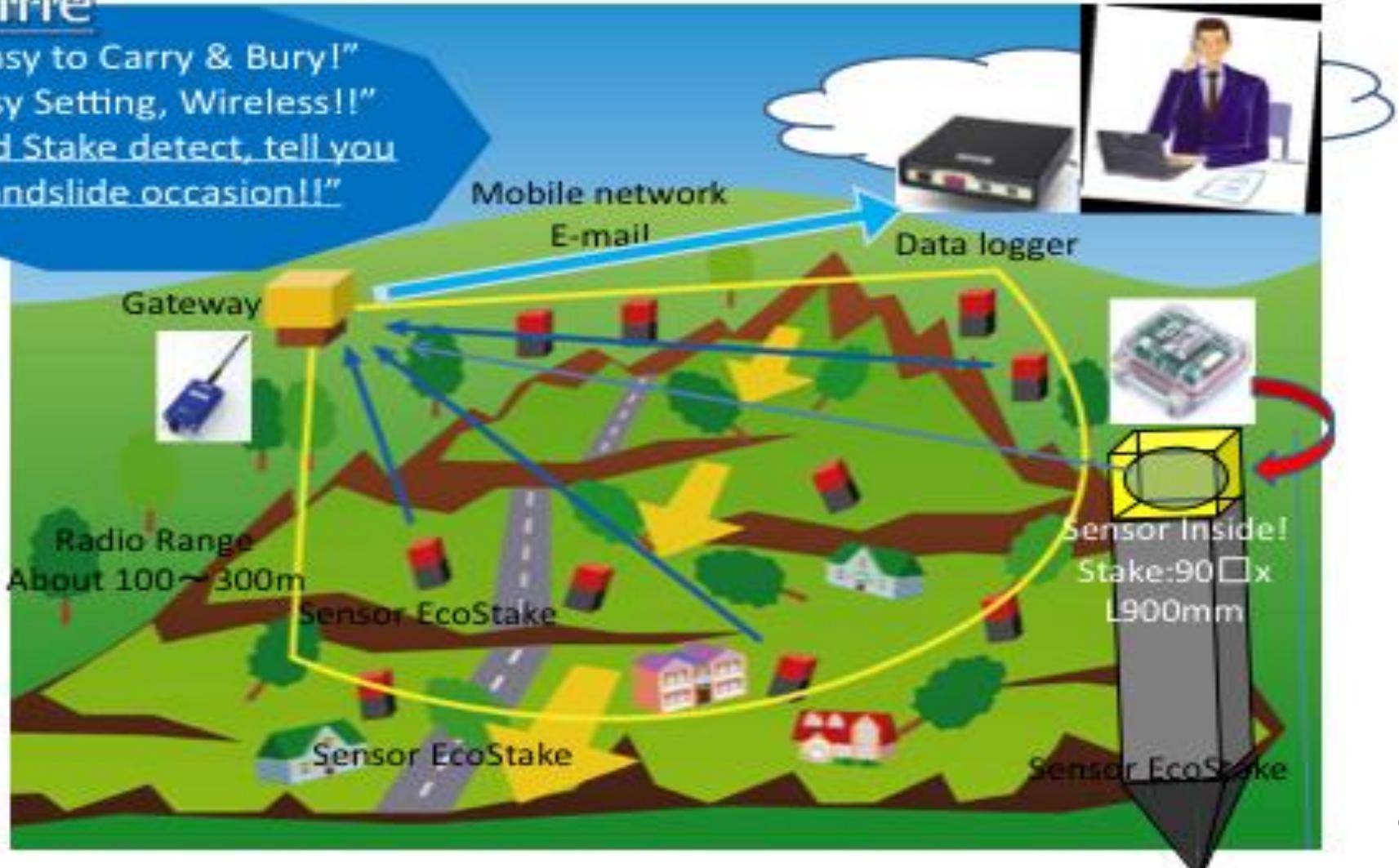


情報発信杭 Sensor EcoStake Solution



Outline

“Easy to Carry & Bury!”
 “Easy Setting, Wireless!!”
 “Field Stake detect, tell you
 Landslide occasion!!”

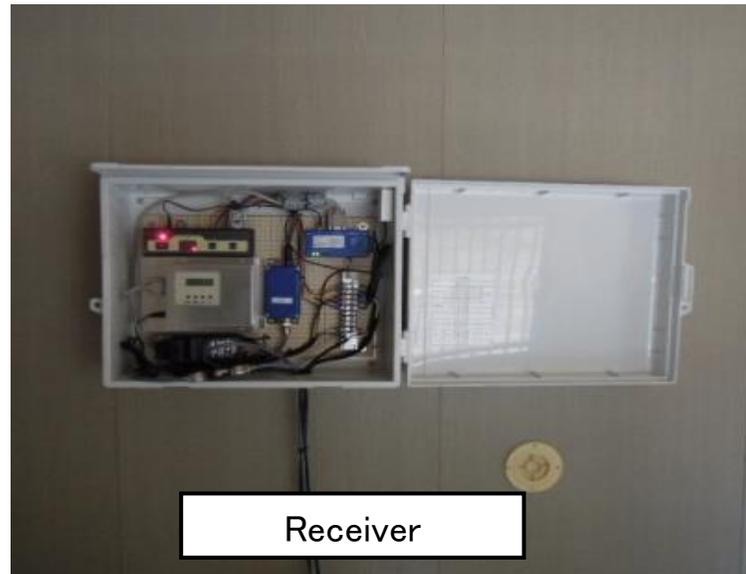




Sensor stake field



Gateway

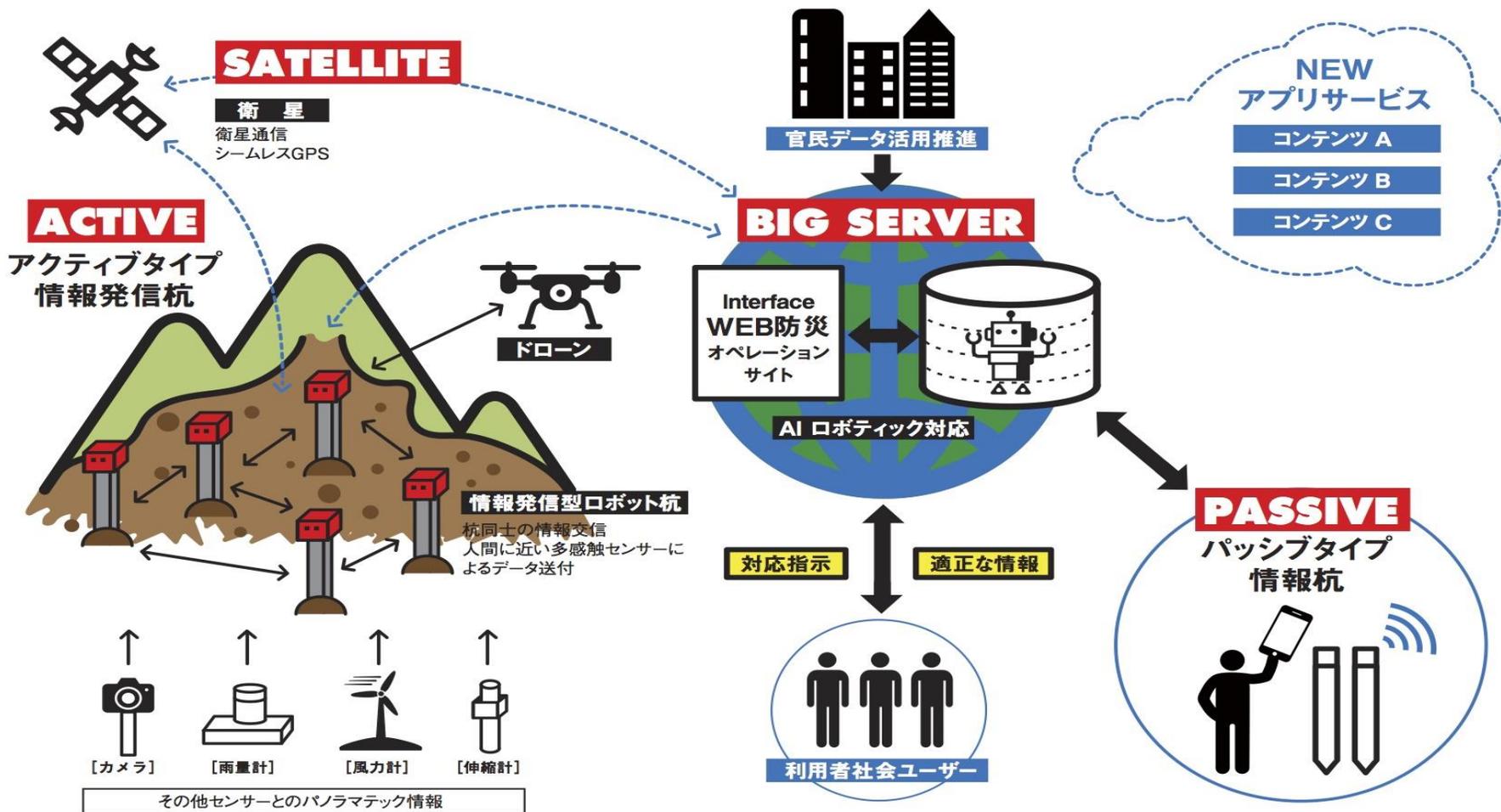


Receiver



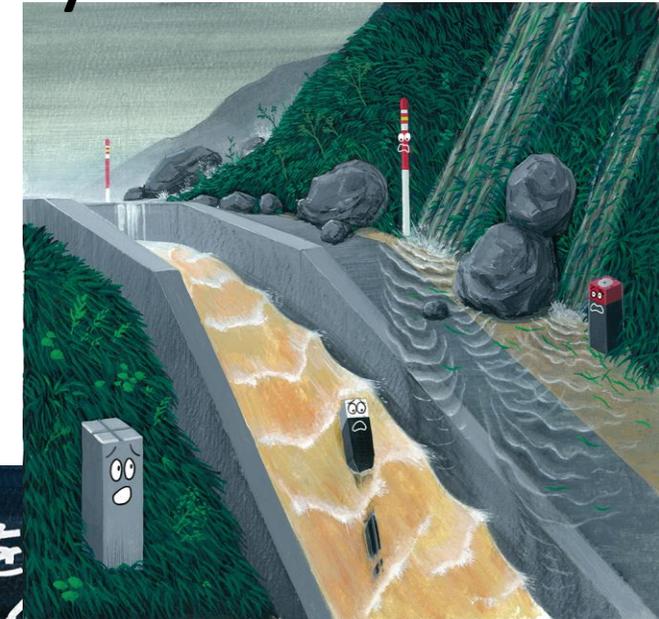
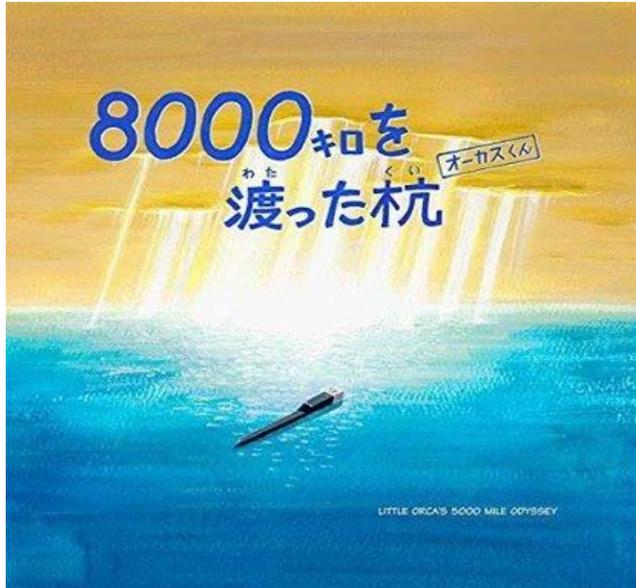
Warning Alert

リプロが目指す[次世代情報杭]事業イメージ



3, Manga

“Little Orcas 5000 mile Odyssey” ～The Incredible Survey Marker Story～



JOHN D HOHOL

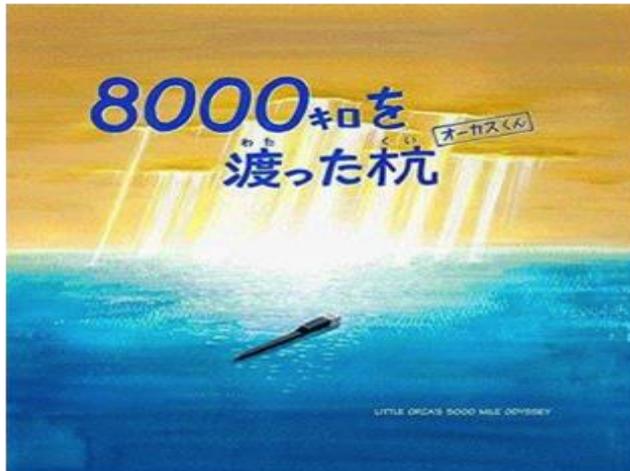
The Incredible 8000 Kilometer Odyssey of a Survey Marker

Kengo OKADA, Japan and John HOHOL, USA

Keywords: Survey Marker, Incredible Odyssey, Japan, Orcas Island

SUMMARY

This is the amazing and true story of a Japanese survey marker uprooted by Typhoon Talas in September 2011 and travelling for 6 months 8000 km (5000 miles) across the Pacific Ocean being discovered by a boat charter captain alongside his dock at Orcas Island, Washington, USA. As a result of the amazing journey of this survey marker a Japanese Manga graphic comic book was created to tell the story.



The Incredible 8000 Kilometer Odyssey of a Survey Marker (7619)
 John Hohol (USA) and Kengo Okada (Japan)

FIG Working Week 2015
 From the Wisdom of the Ages to the Challenges of the Modern World
 Sofia, Bulgaria, 17-21 May 2015

thought leader

The Incredible 5000 Mile Odyssey of a Survey Marker

Background

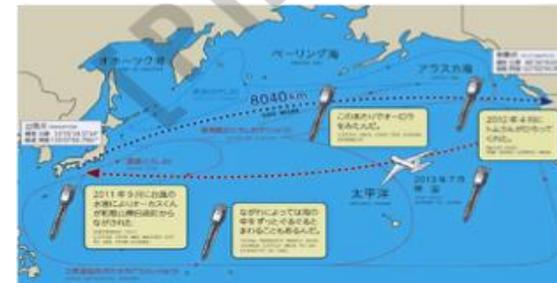
One evening in early 2013 with nothing else to do I was browsing the Internet idly searching surveying-related stories. I discovered a TV news story broadcast by KIRO-TV in Seattle, Washington about a charter boat captain, who on March 31, 2012, found an unusual looking plastic stake, with a Japanese inscription on it, floating alongside his boat dock. A friend of his translated the inscription and he found out that it was a survey marker set for a government survey. They thought was debris from the tsunami that struck Japan on March 11, 2011. However it actually was a result of Typhoon Talas which occurred on September 2-3, 2011.

I immediately recognized it as a marker by Ripro Corporation in Okayama, Japan, a manufacturer of survey markers using recycled plastic, with whom I had worked with and known for over 20 years. I immediately contacted the CEO of Ripro, Kengo Okada. Of course he was very surprised and astonished that a marker set in Japan floated across the vast Pacific and ended up in the USA. I then contacted Tom Averna, the charter boat captain owner of Deer Harbor Charters who found it and made arrangements for us to meet him.

The Story

Much damage resulted from the typhoon that struck western Japan (Typhoon Talas) in early September 2011. Along with great property damage and many deaths a small casualty of the typhoon was a nondescript government survey marker set by the small town of Hidaka (population 7202 in 2003) in the prefecture of Wakayama.

Amazingly in the span of about 7 months this little plastic marker journeyed across the Pacific ending up floating alongside Averna's dock in Deer Harbor, Washington. It's



Map of seven month 5000 mile (8000 km) odyssey of Japanese plastic survey marker ["Little Orca"] across Pacific Ocean from Hidaka, Japan to Deer Harbor, Washington.

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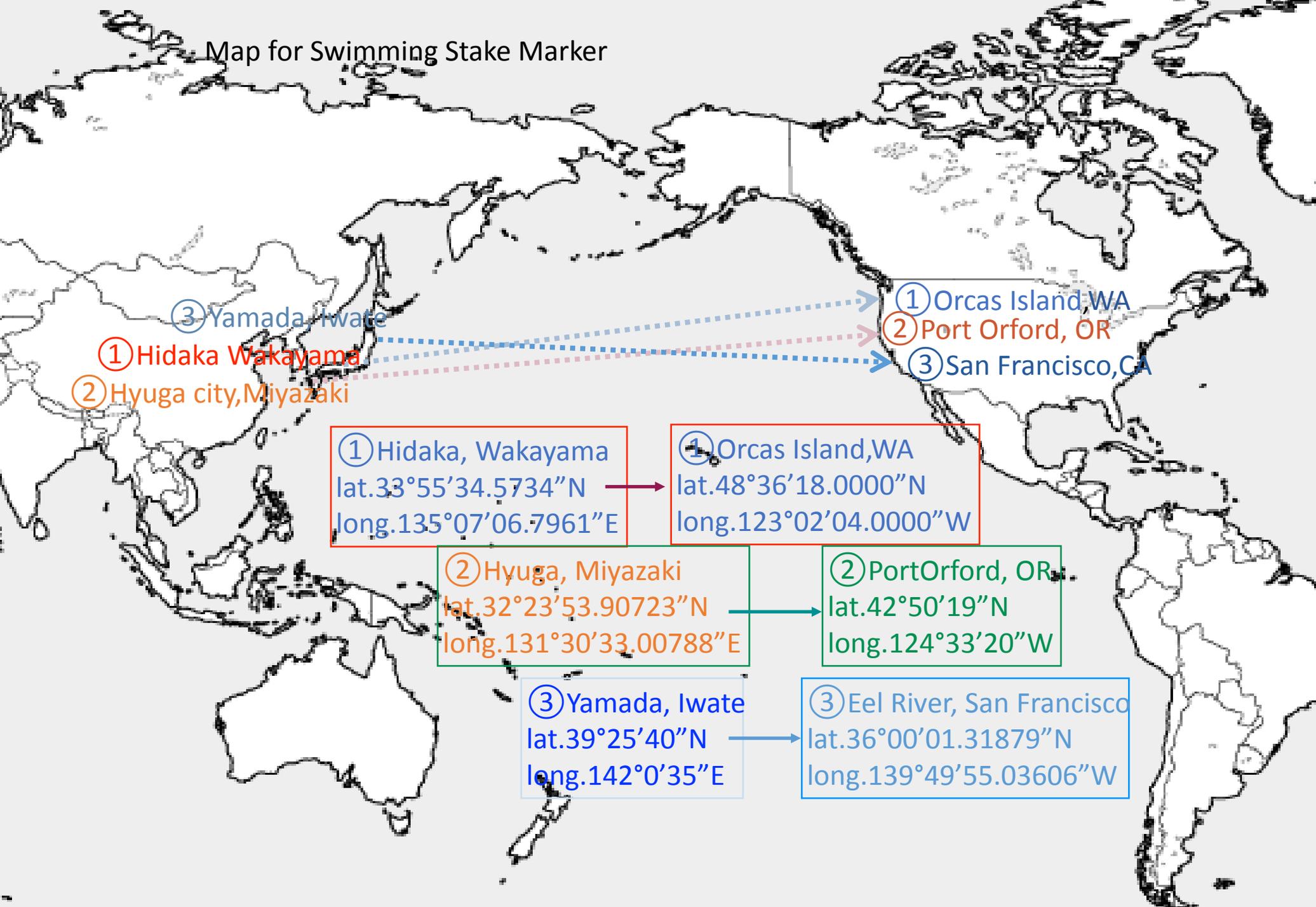
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Map for Swimming Stake Marker



① Hidaka, Wakayama
② Hyuga city, Miyazaki

③ Yamada, Iwate

① Orcas Island, WA
② Port Orford, OR
③ San Francisco, CA

① Hidaka, Wakayama
lat. $33^{\circ}55'34.5734''$ N
long. $135^{\circ}07'06.7961''$ E

① Orcas Island, WA
lat. $48^{\circ}36'18.0000''$ N
long. $123^{\circ}02'04.0000''$ W

② Hyuga, Miyazaki
lat. $32^{\circ}23'53.90723''$ N
long. $131^{\circ}30'33.00788''$ E

② Port Orford, OR
lat. $42^{\circ}50'19''$ N
long. $124^{\circ}33'20''$ W

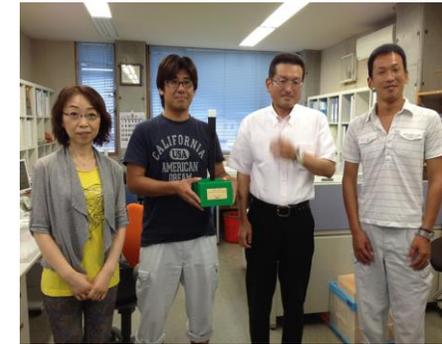
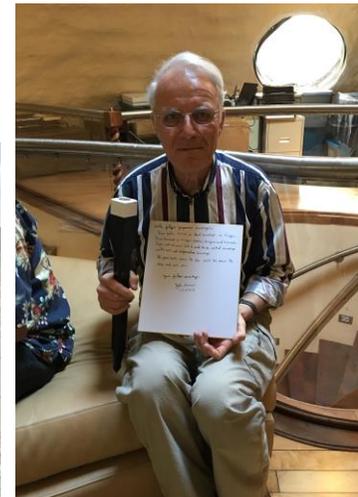
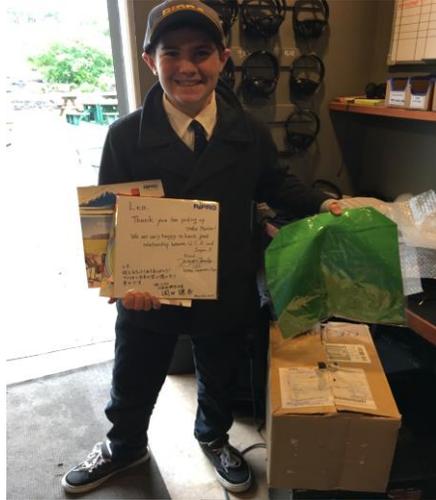
③ Yamada, Iwate
lat. $39^{\circ}25'40''$ N
long. $142^{\circ}0'35''$ E

③ Eel River, San Francisco
lat. $36^{\circ}00'01.31879''$ N
long. $139^{\circ}49'55.03606''$ W



“Boundary stake markers divide country, this stake’s story connect country and people”

Connecting People!



Thank you for visiting Kobe, Japan



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