



Mamautari Newsletter

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Kiribati ma Tiaban ana kamwakura te kaibuke n karaun ae Wakaba No.3 inanon te maan ae 2 te ririki.
Ana Joint Venture te Tautaeka ni Kiribati ma Tiabaan

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E a tiainaaki n te Kaabong ae 15 n Eberi bweebwan te ikareke-bai ni karikirake ke ana Joint Venture Kiribati ao Tiaban iaon kabutan te waana te kaibuke n karaun ae Wakaba No.3 are e nang tauraoni ngkai ni wakinaki imarenan te Tautaeka n Kiribati ma Tiaban inanon te maan ae 2 te ririki.

kambwana ae Kyokuyo Suisan Fishing Company mai Tiaban ao are e a riki ngkai bwa te kaibuke ae na tiaatanaki iaan te kambwana ae boou aio ae te Kiribati & Kyokuyo Fishing Company.

Te kaibuke ae Wakaba No.3 bon te kaibuke n karaun te waana man te

N reitaki riki ma aio ao iai ana kautatau te kambwana ae Kiribati & Kyokuyo Fishing Company bwa e na kabooa te kaibuke aio imwiin

.....*wareka reitana n iterani ba 2...*



MV SEAGRAND

Ana Kaibuke Kiribati ae MV Seagrland, e rororake n te uaabu i Betio n te Kaabong 28 n Eberi, 2011.

Noora itera n baa
2

Man te FLEU

Kiribati ma Tiaban ana kamwakura te kaibuke n karaun ae Wakaba No.3 inanon te maan ae 2 te ririki.

noorana inanon te maan ae 2 te ririki.

N baaronga riki kanoan te ikareke bai aio ao bon iai naba niiman I-Kiribati ake ana tauraoi n kamwakuraki iaon te kaibuke aio ao iai naba tengaun nakon tengaun ma niiman ake ana reiakinaki ao ni katanaiaki moa aron te mwakuri n te kaibuke aio are ana tauraoi n onei mwiiia kaimoan te kaibuke aio ake mai tinaniku ngkana a tauraoi ao ni mwaatai raoi aron te mwakuri.

N ana maroro Te Minita man te Botaki n Akawa ae Hon. Taberannang Timeon ao e taekinna ae Kyokuyo e na bon tauraoi naba n buoka aron te katamaroa ma karaoiroan bwaai n anga reirei nakon te Fishing Training Center (FTC) ao aio are e na rangi n ibuobuoki ibukin katauraoaia ataein mwaane ake a reirei n te FTC aroia n mwakuri ma bwain akawa iaon taian

Ana Kaibuke Kiribati ae MV Seagrind, e rororake n te uaabu i Betio n te Kaabong 28 n Eberi, 2011.

E rororake n te matabaiawa are i Betio imwiin tawanou n te Kaabong ae 28 n Eberi te Kaibuke ae MV Seagrind are bon ana kaibuke Kiribati ae ana bwai n tangira te kambwana n akawa teuana mai Spain ae OPAGAG/AGAG.

Te bwai n tangira aio bon kakoroan nanon ana boraraoi te kambwana ae OPAGAG/AGAG ma Kiribati are e karaoia inanon te ririki ae nako iaan kakoroan nanon te kai ni baire ibukin te akawa n marawan Tebetebeke are bon Kiribati naba kaaina.

Te kaibuke aio bon te kaibuke n kako ao ngaia are e kantaningaaki ngkai bwa e na buoka aron karokoan taian kaako nako abamwakoron nako Kiribati. Abwakina bon 82 te miita

kaibuke n akawa nakon taai aika ana roko.

E ngaie n anne ao e katautauaki bwa e na waaki raoi kanoan te ikareke bai ni karikirake aio inanon May ke Tuun n te ririki aio. Tibwan Kiribati are e na karekea man te kaai ni karikirake aio bon 49 te katebubua ao 51 te katebubua tibwan Kyokuyo Suisan Fishing Company.

Are e a tei ao n tiaina ibukin te kambwana mai Tiaban bon Mr Ikuo Muratani are bon te beretitenti ngaia n te kambwana ae Kyokuyo Suisan Company ao ni kaaitaraki naba n te tiaaina iroun te Minita n Te Botaki n Akawa ae Hon. Taberannang Timoen are e a tei ibukin te Tautaeka n Kiribati.

A kitana Tarawa kaain te tiim man Kyokuyo Company aikai n te 19 n Eberi.

ma rababana ae 17 naba te miita.

Ni karokoan raoi te bwain tangira aio inanon bain te Tautaeka ni Kiribati ao a katautauaki bwa ana roko iaon Tarawa kaain te kambwana ae OPAGAG/AGAG mai Tibein inanon wiiki rake aikai bwa ana karaoa te anga bwai n tangira aio ma te Tautaeka n Kiribati ao mai imwiin anne ao e a kona naba n tabwanin raoi rongorongona bwa antai ae na kabuta te kaibuke aio.

Kaimoa ake a uota te kaibuke aio mai Korea nako Kiribati bon taan mwakuri n te Marine Training Center, Kaimoan te Tia Akawa ao ai aia kaaben ae Capt Rui Nataka ma ana tiibi intinia (Chief Engineer) ae Bitem Ueri.

Te Kauring

Maurim ngkoe te Tia Akawa i taari

Te bwai ae rangi ni kakawaki iroun te tia akawa I taari bon kabobongan raoi ana bwai ake ena kainanoi imwain mwanangana. N aron ae ataaki ao kateira ngaira aika taan akawa bon ti uouotakin ara bwai n akawa, ara bwa (fuel) ao ara intin are ti taku bwa e a taubobonga naba iai mwanangara.

Irarikin anne ao e teimatoa ni kaakana-koa bwanana ni kani ibuobuoki te Botaki n Akawa nakoia te botannanomata riki nakoia naake a rangi ni kakabongana te nako marawa bwa ana bon riai n atai man iri baika a tuangaki bwa ana riai ni uouoti n aia tai mamananga I taari.

E ngaie n anne ao aikai ngkanne bwaai aika a rangi ni kakawaki bwa ti na riai ngaira taan akawa ao taan mamananga n atai ao ni uouoti bwa iririara ni mwananga I taari n taainako;

Te bwaa (fuel) ae tatara irarikin are ti taku bwa e tau ibukin te mwananga.

Te roobu ao te angka

Te roo ni marawa

Te ie, te intin ao te bwennarina

Bwaai ni makuri ibukin te intin

Te biti

Te kaibetia

Te anima

Te kambwati

Bwaai ni kanikina ibukin kaotan am tabo I taari

Katanam I taari

Nimam te ran ao am tianaki

Am bwain aoraki

Man ana itera te Botaki n Akawa ao te bwai ae e kataia n taekinna ngkai bon totokoan rikin te kabuanibwai i taari ao kamaiiakira ngkana tia reke n te kabuanibwai i taari. Ai ngaia are te kantaninga bwa bwaai aika a oti ieta ana bon rangi ni ibuobuoki ao ni katoka ke n totokoa rikin te kabuanibwai. Te bwai ae rangi ni kakawaki bwa ena riai ni ururingaki ba ngkana koa reke n te betinako i marawa ao e na bon karikii kanganga aika a rangi ni bati ao n rotaki naba iai aomata aika bati.

What's the problem?

Fishermen and boat operators may not be aware of the serious consequences of dumping oil, plastic and other garbage overboard. The ocean has long been seen as limitless and able to absorb anything that's dumped or discharged into it. While much marine debris is washed, blown or dumped from land, a considerable amount is generated from boats.

Plastics, oil and other debris can represent a threat to the environment for many years — in some cases hundreds of years — and can injure and kill marine life. They can endanger humans, damage boats, and cause serious losses to the tourism industry.

How much garbage is out there?

While no one knows for certain, one figure indicates that more than 450,000 plastic containers were dumped in the ocean every day by the world's fleet of merchant vessels during the late 1980s. Walk along any Pacific Island beach and you will see hundreds of plastic items and other debris, providing unsightly evidence of what has become a major problem.



Keep Our Ocean Clean

FLEU

Kamatoaaki mwiin taian maroro iaon katean te tabo ni kamwaitoro iaon Kiritimati. Ana ikareke-bai (Joint Venture) ni karikirake Kiribati ma Ecuador.



E kamatoaaki n tiainaaki te miniti ke tauan mwiin te maroro are e karaoaki imarenan te Botaki n Akawa ma Karikirakean Kaubwaira mai Taari ao Taan Tei man te kambwana n akawa man te aba ae Ecuador ae te NIRSA are bon te kaai ni ikareke bai ni karikirake iaon katean te tabo n kamwaitoro iaon te aba ae Kiritimati are e na kaai ni bwaibwai iai Te Tautaeka ni Kiribati ma Ecuador.

Aio are bon teuana naba kakoroan nanon ana boraraoi Ecuador ma Kiribati are e tabekia inanon te ririki ae nako inanon tain karaoan ana boraraoi ibukin akawana ni marawan Kiribati.

Oin te kantaninga ni katean te tabo n kamwaitoro aio bwa e aonga n rangi n beebete ao ni kai reke te buraoki irouia ana kaibuke te aba aio ngkana a kainnanoi inanon aia tai n akawa n marawan Kiribati. Tiaki ti ngaia ma a bon kona naba n karekei mai iai aia buraoki kaibuke n akawa nako ake a karina n kainnanoi inanon aia tai n akawa.

Ai ngaia are te maroro aio bon taorimwiian ao nooran baike a tia n

kaweneaki inanon taai aika nako man itera aika uoua aikai bwa ana kakaekai ao ni karekeaki moa imwaain ae na waaki katean te tabo n kamwaitoro aio.

Tabewa mai ibuakon bwaai akana a kainanoaki akanne bon bwaai n aron aikai:

- Te tabo are e na tei iai te karikirake aio
- Iai te ran iai
- Te iti
- E na iai taan mwakuri aika a kona n reke ao tabewa riki

Te waaki aio are bon teuana naba reitan te kabwaia nakon Tei Kiribati ngkai e na bon manga karekei mwakuri nakoia kaain Kiribati ngkai ana bon iai naba kainnanaoia taan mwakuri n te tabo n kamwaitoro aio ngkana arona bwa e a tia ao ni bobonga raoi aron te waaki iaona.

Ribanataake Awira, te tia Koroboki n te Botaki n Akawa ma Mr Eduardo Aguirre man te NIRSA ake a tiaina ni kamatoaa mwiin te maroro aio n te lagoon club i Ambo n tairikin te Katenibong ae 30 n Maati 2011.

MINERAL UNIT

Kabonganaan Geographic Information System (GIS) software aika akea booia (free)

Student Corner, e katauraaoki kanoana ironun Tion Uriam bwa buokaia ataain te reirei

Te mwabe moan te kakawaki bwa e kaota te tabo are ko mena iai, ao e kaoti naba taabo ake ko kan roko iai. E kona n riki te mwabe bwa kaanga te bwai n nneneweaba. N aron are ti tataneiai iai, ao mwaabe bon baika a koreaki iaon te beba. Ni boong aikai ao mwaabe ake iaon te beeba, e aiko bati n kakabonganaki kiona ngkai a bon oneaki mwiiia ni mwaabe ake iaon te kombiuta (computer).

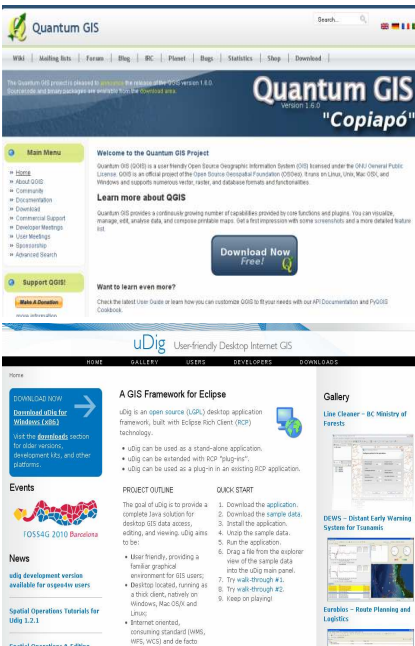
Eng, ni boong aikai ao a rang n kakabonganaaki riki mwaabe ake iaon te kombiuta kiaina ngkai e aaki kabane beeba, e kai karaaoki te bitaki nako iai ao e beebete aron uouotakina. Ikai are ti na kakinaa ao ni kabwarabwaraa nakoimi te taeka ae te GIS ke te Geographic Information System. E na abwabwaki aron kabwarabwaraan te taeka aei, ma kauarekeana e kangai, bwa man te GIS ao e a otinako iai te koromwabe

iaon te kombiuta (ke te computer mapping). Are nanona bwa ibuakon bwai ake e kona ni kabonganaaki te GIS ao e kona naba ni kabonganaaki ibukin te koro mwabe.

Mai ibuakon buroukuraem ni koro mwabe aika mwaiiti, ao iai aika a kabooaki ao iai naba aika aaki. E reke bwa te bwai ae e kakawaki atakin software aika akea booia kiona ngke buroukuraem ake a kabooaki e kona ni biribiri booia imarenan \$10,000 nakon \$20,000 (mai inano) ni katoa ririki tii ibukin te raitienti (license).

Ai ngaia are n ara kaongora n te tai aei nakoimi ao ti na kaoti teniua aekakin GIS software aika a rangi n kakabonganaaki ibukin te koro mwaake/mwabe ao aaki kabooaki (open source).

Noori GIS Software akana oti inano.



1. Quantum GIS <http://www.qgis.org>

Quantum GIS bon te Desktop GIS software ae e free. E a roko ngkai n ana ka-onoua n "version". Aio ngkai te desktop GIS software ae e a manga nang kakabonganaaki irouia GIS users

2. uDig GIS

uDig bon te desktop gis naba teuana, ma te software aio e kona ni kabonganai data ake iaon te internet ao ni manga kaotia (display).

Te kateniua are n itera n baa 5

Kakaauongo

TE MOAN TAEKA

Ngkai e tabe ni keerake mwaitin te botannaomata iaoni Kiribati, ao te karikirake ma taian kateitei iaon te aba e tabe naba ni keekerake. E a rangi ni korakora tangiran riki kan karikan te aba ke karababaakina ibukin te karikirake. A rawata taian kanganga aika a irekereke ma te maeka n te tabo ae mwainging ana enwaromenta. Aomata a bon tangiria bwa matawin te aba e na tiku n arona bwa e aonga n aki uare-reke abaia are a bon maeka iaona.

KABWARABWARAAKIN MATANIWIN TE ABA

Mataniwin te aba bon te tabo are e kaitibo iai te aba ma taari. Tian mataniwin te bike mai iaon te aba ao taari e a bon kona ni kateaki ike e aki roko korakoran iai te nao, ao atan te tabo aio e bon kona ni bibitaki nakon raoin ke buakan taari n te bong teuana ma teuana. Tabebu aban te Betebeke e bon kona n aranaki bwa – Mataniwin te aba bon te tabo ae rangi ni kakai bibitaki, ao man kakai rotaki n aron bitakin iabutin taari, bitakin korakoran te aira ao a bati riki

Te bike e bon riki man te atiane, mmwammwan taian atibu, maan aika a uarereke aika a mate, te atama ao ai te tano.

Teuana te kanganga ae riki man te karikirake iaon matawin te aba bwa aomata a tangira matawin te aba bwa e na tiku n arona, n aki bibitaki, ke ni mwaing nako te bike. Ma e bon riai n ataki ae taian aba aika a riki man taian enga n ane, a bon riki man maibibin ke uruakin te ane are e uotaki rake n tain te angibuaka

PLANNING UNIT

Rongorongo aika kimototo.

A karaoa aia bowii n te kaabong ae nako ae 28th Eberi kain te komete ibukin kakaeaan te Contractor are e na katea te auti ni kamwaitoro n te abamwakoro ae Abemama.

Ake a ira te boowi anne temanna man te Works, uoman man te Planning (Finance) ao ai bon Te kateniman tia koroboki man te Botaki n Akawa ae Tiene Tooki ao ai temanna ana aobitia.

Mai imwin aia bowii anne ao e tebenako RT Contractor bwa ngaia ae na waakina katean ana auti ni kamwaitoro Abemama. I rarikin anne ao a tia ngkai n roko bwain ana fish Center Abemama n te bong aei ae 2th n Meei ao e katautauaki bwa ana nikiraki naba n te 10th n Meei bon te namwakaina naba aei.

N reitakin riki aio ao iai naba bwain tangira man te OFCF ibukin bwain auti ni kamwaitoro iaon te abamwakoro ae Tabiteuea Meang ma Maiaki ake a tia n roko ngkai i nanon te namwakaina ae April 12. Uoman man te Botaki n Akawa ake a nikiri bwaai aikai n abamwakoro akanne.

Kawakina Biken abam, te atama/tano ae e anaaki ae rangin mwaiti e karika te kanakinako i mataniwiin te aba.



Ana buoka Overseas Fishery Cooperation Foundation of Japan (OFCF) nakon St Joseph College.



Ana buoka te Tautaeaka n Tiabaan nakon Kiribati rinanon ana rabwata ae te OFCF are kanoan te ririki aio, e bon reke naba iai buokan te reirei ae St Joseph College are i Abaiang.

Bwaai ake a reke bwa kanoan ana buoka Tiabaan nakon te reirei aei bon bwain nako kabaakin te waa n aron te plywood, bwai n mwakuri, te tao te iti ma bwaai nako ake a kainnanaoaki ibukin kabaakin te wa are te waa ni Kiribati.

Oin ana kantaninga te reirei ae St

Joseph College ibukin kainnanaoan bwaai aikai bwa e tangiria n kateimatoa te rabakau n Kiribati iaon kabaakin te waa ao are a tangiria n reiakinia ataein aia reirei aio n te aro bwa e naaki bwa ma e na teimatoa te rabakau aio rinanon aia anga reirei.

Kautoa Tonganibeia, te Policy Adviser are e a tei ibukin te Botaki n Akawa n anganako bwaai n tangira aikai nakon te Mataniwii n te reirei ae St Joseph College ae Bauro Teburea.

...reitane are man itera ni baa 4. Kabonganaan Geographic Information System (GIS) software aika akea booa (free)

Register now for MapWindow GIS Conference 2011

MAPWINDOW

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2nd International MapWindow GIS and DoSpatial Conference 2011
San Diego, California, USA | 12-15 June 2011

Welcome to the MapWindow GIS Open Source Project

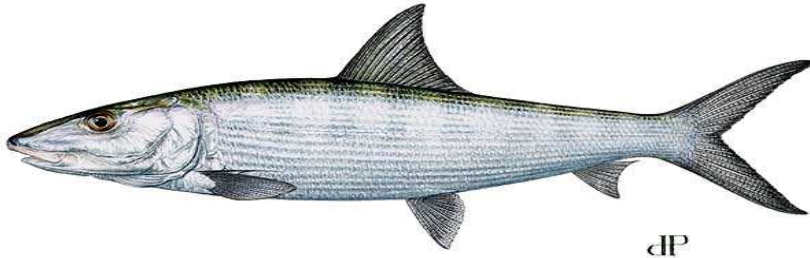
The MapWindow GIS project includes a free desktop geographic information system (GIS) application with an extensible plugin architecture, a free GIS ActiveX control, and a free suite of GIS API's called DoSpatial. We would love to have you join our project. Feel free to browse this site, or follow the links below depending on if you are a GIS user, GIS programmer, or potential project contributor.

3. MapWindows GIS

Aio bon te GIS software naba ae e kakabonganaki ibukin te koro mwabe ao nooran naba gis layers (data). E free ao e aki naba kaboaki

FISHERIES DIVISION

Kabobongaana ana Kora ni Kaeti Nonouti iaon kaawakinan marin abaia ae te Ikari.



Te Moanibong ae nako ae 18 iai bongin te namakaina ae April 2011 ao a mwananga kain ana tiim te Tau-taeka ni kaea nangin te abamwakoro ae Nonouti. Ake a ira te tiim ni mwananga anne bon uoman man te Botaki n Akawa bwa Karibanang Tamuera, ao Tereere Tioti, man ana Aobiti te AG bon Ereta Bruce, ao man te Tourism Nei Ereata Benson ao ai Nei Marion Namina man te MISA. E kairaki te tiim aei iroun Karibwanang, te Senior Fisheries Officer man te botaki n akawa.

Bukin te mwananga bon maroroakinan te kora ni kaeti ibukin te karikirake ae te Bone Fish Game Fishing/Recreational Fishing ae iangoaki karaoana iaon Nonouti. Te kairikirake aei are e boboto iaon te ika ae te ikari, ngkai e nooraki bwa iai te anga ni kareke tianti iaona n aron te kaneweaba irouia iruwa mai abatera, n aron are e a tia ni karaoaki naba iaon te abamwakoro ae Kiritimati.

Ma imwaain moa waaki akanne ao ana tiim te botaki n akawa e karaoi waaki ma kain te abamwakoro aei ake ana kaineti ma itera aikai, n aron kawai ake ana kaweneaki bwa ana kona ni katerea iai bwa utun nako te ikari e nang taabangaki ngkai aron wakinana iaon te abamwakoro aei. Te kora n kaeti aei e tii kaineti ma akawaakin te ikari inanon naman Nonouti ao n rakai ake a katobibia te aba aei, ma aio are e na riki bwa te

tua imwin kabwaatakina iroun te Minita ni kaineti ma te tua n akawa.

Tiaki ti ngaia ma n reitaki ma aroia naba kain te abamwakoro aei bwa terana aia anga ni ibuobuoki nakon te karikirake aei ao riki ai bon reken te kabwaia nakoia ni ikotaki ma Kiribati ae bwanin. Ikai are e a bwaati naba bwa te Kauntira n te aba aei e na katea te komete ibukin tararuaan taabo ake a tia n baireaki bwa te Fishery ke Marin te Ikari. Te komete aei are e na mena iaan ana tararua te Kauntira ni ikotaki ma te Botaki n Akawa ni karaoa tabena ao mwakana iaan te kora n kaeti aio. E na kateaki te Komete aio iaan kainibaire ibukin babairean te karikirake, kamwakurana, ma tararuaan ao rinanoan aia karikirake aei.

Ma imwiin tian rinanoan te kora n kaeti aei ma taian tabeka tabeua ake a mwemwe man ana itera te kauntira n te abamwakoro aei ao e na manga karaoa ana mwananga ni kaongora ana tiim te botaki n akawa iaon te itera aei nakoia kain Nonouti inanon taai rake aikai.

Mwaitia Kauntira ake a ira te bowii anne bon tengaun ma niman(15) ao ni ikotaki ma uoman bwa te Fishing Guide ao te Mootoman. A kabanea tenibong aia bong kain te tiim aei iaon te abamwakoro anne ao a karairaki naba n te katenibong ae 20th April.

Bongan te Ane

Tera te ane

- manin taari aika a uarereke (polyps)
- e kakatiinakoa te tano ae matoatoa limestone (calcium carbonate) bwa kamatoan rabwatana
- e kona n bwenauaa rabwatana nakon ae mwaiti ao man karika te aba mai iai

Tera bongan te ane

- E totokoa abara man nao aika bubura
- E totokoa kanakinakoan mataniwiin ara bike ao mwengara
- E karika te aba (akea te ane ao akea te aba)
- Nneia ika ao manin taari ni maeka
- Nneia ika aika a uarereke ni kataniia mai irouia ika aika bubura
- E reke mai iai kanara

Tera kangaanga ae a kona n reke nakon te ane

Iai 2 anga aika e rotaki iai maiuraoin te ane bwa;

1 man aia makuri aomata:

- Kaibuke ao booti aika a koro iaon te ane
- Angkaa ni kaibuke ao booti aika a uaaki iaon te ane
- Bwauranakin rawa n roro ibukin booti ao kaibuke
- Kabonganakin te korobwaa ibukin anakin te nnewe ao te kiika,ao matau n akawa ake anim n te rakai
- Aia urubwai taan tebo ibukin anaakin iika ake a iokinibwaiaki nako tinaniku
- Aia urubwai aomata ngkana a nakonako iaon te ane
- Karenakoan maange i taari

2. Man bwaai aika a riki irouia:

- Korakoran te kabuebue
- Korakoran ana urubwai te nao (angibuaka)
- Korakoran te raanga man te aba n tain te kakarau