



PANGUNA MAIN LEGESI IMPEK ASESMEN
PHASE 1 WOK PAINIM AUT RIPOT

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 **TETRA TECH
COFFEY**



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TOK I GO PAS

Long mun namba nine bilong yia 2020, ol lain bilong Bougainville i bin mekim wanpela bel hevi toktok i go long Rio Tinto Limited long ol hevi we i bin kamap long bus, giraun, wara na raits bilong ol manmeri long Panguna main. Dispela bel hevi toktok em Human Rights Law Centre, wanpela kampani long Australia wer i save lukluk long ol raits bilong ol manmeri, i bin kisim i go long kot long makim maus bilong 156 pela ol asples long yia 2020, na biahin dispela namba em i go antap gen long 170 pela lain olgeta.

Rio Tinto Limited em i harim dispela ol bel hevi toktok na wanbel lo strongim tingting bilong wok painim aut long ol hevi we Panguna Main i bin kamapim taim main i pas long yia 1989. Dispela em ol i kolin long Panguna Mine Legacy Impact Assessment.

I bin gat tingting bilong wokim tripela hap bilong dispela wok painim aut: Nambawan hap em wok rere, namba tu hap ol i kolin long phase 1 wer ol i bin mekim wok painim aut long ol hevi we i bin kamap long bus, giraun, wara na sindaun bilong ol manmeri long Panguna main. Namba tri hap ol i kolin long phase 2 bai kamap biahin long riport bilong phase one i kam aut long pablik tasol long dispela taim i nogat tok kilia yet long wanem samting bai kamap long phase 2. Wok rere em i bin pinis long mun namba tri long yia 2022. I bin gat ol lain husait i bin bung na kamapim wanpela grup ol i kolin long Ovasait Komiti (Oversight Committee) long go pas long dispela bikpela wok lukaut long wok painim aut. Ol lain husait i stap insait long dispela grup i makim Autonomous Bougainville Gavaman (ABG), Gavaman bilong Papua New Guinea (GoPNG), ol trutru papa giraun na ol maus manmeri bilong ol kominiti, Bougainville Copper Limited

(BCL), olsem kampani husait i bin wok bipo. Na man husait i go pas long Ovasait Komiti ol i kolin long Independent Facilitator.

Bihain long dispela grup, ol i kamap wantaim wanpela tingting bilong wanem kain wok bai kamap na Ovasait Komiti i makim wanpela namel kampani wer igat bikpla nem long wokim ol wok painim aut. Dispela namel kampani o independent contractor ol i kolin long Tetra Tech Coffey. Dispela em i wanpela bikpela wok painim aut long sait bilong bus, giraun, wara, sindaun bilong ol manmeri long ples na raits bilong ol long ol hevi wer i bin kamap long Panguna main insait long 35-pela krismas i go pinis. Olsem long dispela, na ol pipol i laikim dispela wok painim aut i mas karim kaikai na kamap hariap tru. Phase 1 ol i bin tinting long lukluk moa long ol bikpela hevi na birua we i stap nau na ol dispela we i ken kamapim hevi long ol manmeri biahin taim. Kain olsem ol i lukluk long ol marasin nogut stap insait long wara, rot long wokabaut long wara we i nogut, rot long kisim gutpela wara bilong dring we i nogut, ol hap we wara i save tait na bagarapim ol giraun na ol ples masalai, giraun guria na brukbruk hap bilong banis bilong wara, sot long ol kaikai na helt bilong ol ples lain.

ABG President Honourable Ishmael Toroama i bin openim na givim bikpela luksave i go long dispela Panguna Mine Legacy Impact Assessment long dei namba six bilong mun namba twelve bilong yia 2022 (Piksa Plet 1).

Dispela em ol sotpla key points bilong ol painim aut bilong Panguna Main Legacy Impact Assessment phase 1 ripot. Sapos ol lain husait i ridim na laikim moa toksave long ol wok kamap bilong phase 1, ol i ken ridim phase 1 ripot.



Piksa Plet 1

President Honourable Ishmael Toroama wantaim ol memba bilong Legacy Impact Assessment long taim bilong openim dispela wok painim aut long dei namba six bilong mun namba twelve bilong yia 2022.

(Photo credit: NBC Bougainville - Maus Blong Samkamop, Facebook)



WEI BILONG KISIM TOKTOK

Pastaim tru taim ol i no kisim yet ol namba o stori bilong bus, giraun, wara na sindaun bilong ol manmeri long ples, Tetra Tech Coffey i skelim pastem ol tingting bilong wok painim aut wantaim ol save lain, ol i kolin ol long Teknikal Sab-Komiti (Technical Sub-Committee), husait i galasim gut ol tingting, bihain long Ovasait Komiti i bin givim tok orait na sapot bilong em. Dispela ol tingting i tokaut stret long wanem kain ol namba o stori bai ol i kisim long sait bilong bus, giraun, wara na sindaun bilong ol manmeri long ples, hao bai ol i kisim, long wanem hap bai ol i kisim na wanem kain bekim bai ol i skelim wantaim mak bilong ol bagarap we i bin kamap long yia 1989 i kam inap nau.

Long phase 1 mipela i bin kisim ol namba o stori long bikpela hap tru we i karamapim Arawa Taun long East Coast na i go kamap olgeta long Empress Augusta Bay long West Coast. Dispela em hap bilong wok painim aut, na ol i bin burukim i go long fourpela hap ol i kolin long domein (domain). Dispela em ol ples mipela i lukim olsem bai i gat wankain ol bus, giraun, wara na sindaun bilong ol manmeri na bai i gat wankain ol hevi tu o bagarap we i bin kamap long main. Ol wanwan hap bilong giraun, wara na bus we mipela i bin kisim i makim ol ples we mipela laik save moa long ol wanem kain bagarap i stap yet insait long dispela ol hap we wok painim aut i kamap long em. Piksa namba 1 i soim bikpela hap bilong wok painim aut na fourpela hap we i stap insait long wok i kamap long phase 1 Legacy Impact Assessment.

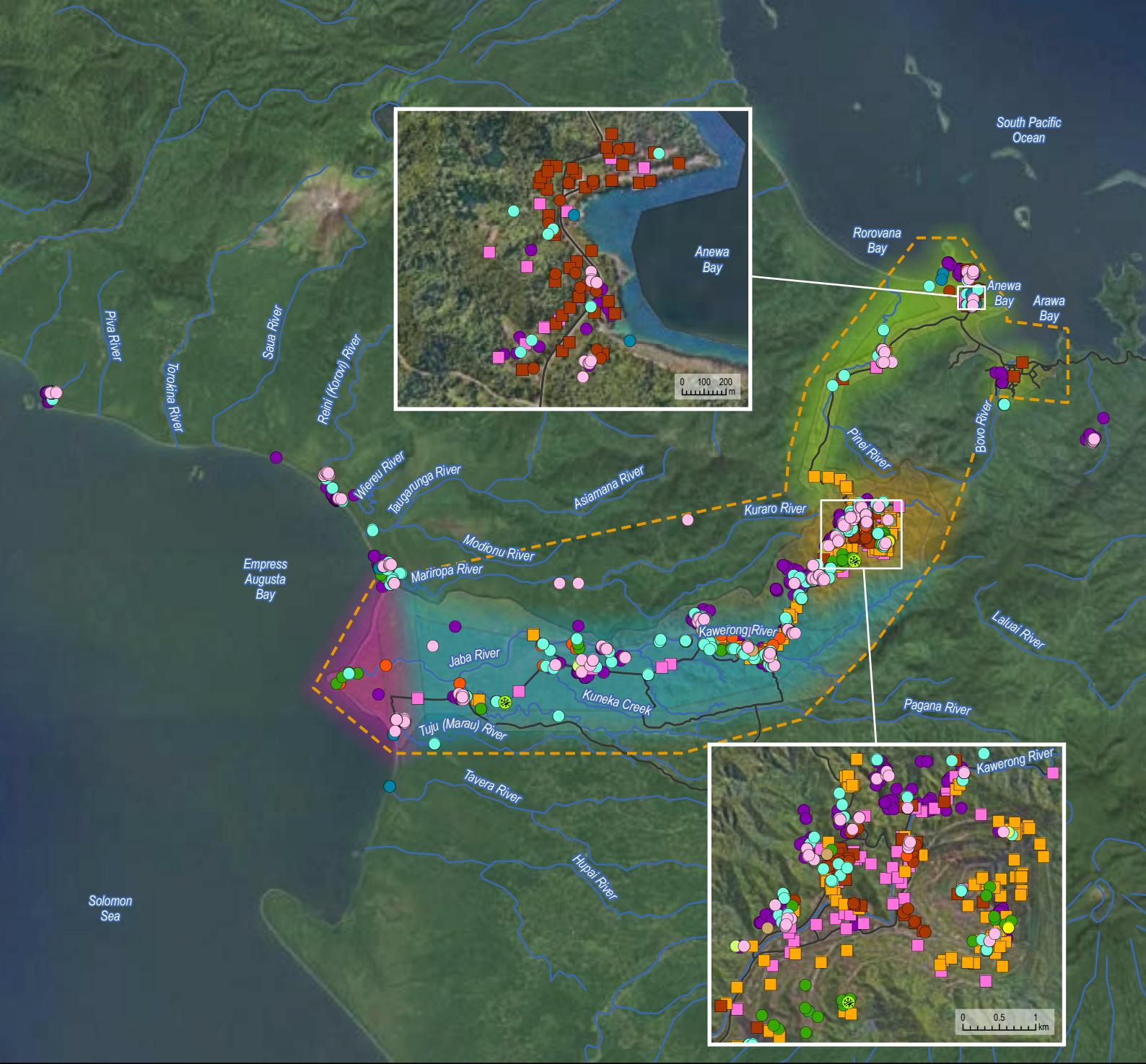
Bihain long nambawan lukluk long Panguna klostu long pinis bilong yia 2022 na stat bilong yia 2023, ol bikpela save lain bilong Tetra Tech Coffey long Bougainville, Papua New Guinea, Australia na ol narapela kantri, i bin kirapim wok bilong kisim ol namba na stori insait long ples bilong wok painim aut long namba four mun bilong yia 2023. Olgeta ol dispela wok painim aut em ol biklain bilong ol wanwan ples, ol ples manmeri na ol bisnis long ples i bin wanbel na givim bikpela luksave i go long ol wok manmeri bilong Tetra Tech Coffey.

Kainkain ol wok painim aut i bin kamap long kisim kainkain ol namba na stori we ol i bin lukluk long ol marasin nogut stap insait long wara, giraun na wara bilong dring, lukluk long ol wara, sekim ol giraun na strong bilong ol haus, lukluk long ol gaden kaikai, sindaun bilong ol manmeri long ples na ol i usim liklik balus long lukluk i go daun long ol ples na giraun we bagarap i stap long em.

Insait long tripela taim bilong wok painim aut, planti ol namba na stori mipela i bin kisim na galasim, em inap olsem 1,600-pela ol hap bus, giraun na wara na 445-pela stori long save long sindaun bilong ol manmeri long ples. Piksa nambawan i soim ol hap we mipela i bin kisim ol dispela ol namba na stori long em.

Taim bilong skelim na galasim gut ol ripot bilong wok painim aut i bin kisim klostu olsem wanpela yia bihainim ol dispela rot:

- Ol save lain galasim dispela ol namba na stori na lukluk gen long hao main i bin kamapim hevi long ol manmeri bihain long yia 1989.
- Ol i bin stretim ol ripot na Teknikal Sab-Komiti i skelim gen ol dispela ripot.
- Ol i stretim bikpela draft ripot bilong wok painim aut na ol Teknikal Sab-Komiti i skelim.
- Ol i stretim wanpela draft sotpela ripot na Teknikal Sab-Komiti na Ovasait Komiti i skelim gen dispela ripot.
- Bihain oli givim liklik hap bekim ripot bilong olgeta wok painim aut i go long Ovasait Komiti long mun namba eight bilong 2024.
- Bihain long Ovasait Komiti i givim tok orait bilong em long Tetra Tech Coffey, Tetra Tech Coffey ibin go na bungim ol ples manmeri na toksave long ol long wok painim aut. Dispela sindaun em Tetra Tech Coffey I bin mekim long mun namba ten bilong 2024.



LEGEND

Number of samples and surveys undertaken

- 445 Social household surveys
- 231 Food samples
- 284 Water quality samples
- 7 Marine water quality samples
- 5 Dust samples
- 97 Garden soil samples
- 69 Soil geochemistry samples

- 2 Weather stations
- 15 Hydrogeology samples
- 25 River sediment samples
- 39 Contaminated site soil samples
- 80 Contaminated site inspections
- 181 Geotechnical assessment inspections
- 129 Structural assessment inspections

- Road
- Watercourse
- Phase 1 study area
- Domain area**
- Domain A - Mine
- Domain B - River System
- Domain C - Delta
- Domain D - Port and Town



0 5 10 km

Piksa Namba 1 Ol hap we ol i bin kisim ol hap bus, giraun na wara na wok painim aut insait long phase 1 bilong Legacy Impact Assessment.

WOK PAINIM AUT I KAMAP LONG PHASE 1

Long mun namba ten 2024, Tetra Tech Coffey ibin sindaun wantaim ol ples manmeri na toksave long wok painim aut. Ol ibin tokaut klia long ol kainkain ol hevi na bagarap we i stap long ol ples na i lukluk moa long ol bikpela hevi we ol ples lain i pilim na toktok planti long em.

MAIN DOMEIN - HAP BILONG PAINIM GOL NA KOPA

Hap bilong main o main domein em i karamapim ol hap we i stap insait long special mining lease. Ol dispela hap em i karamapim ples olsem open pit, hul i stap insait long main pit we i save rausim wara, hap bilong pipia ston na ol olpela wokples bilong wok gol na kopa.

Ol tingting na toktok bilong kominiti

Insait long hap bilong main, ol pipol i gat bikpela wari long ol olpela haus bilong main we i no moa stap strong na ol giraun tu i wok long buruk, wankain tu long wok bilong painim gol we i wok long givim bikpela hevi long ol dispela ol olpela haus we ol i no sanap strong nau. Ol pipol tu i tingting planti long sait bilong helt we ol hevi i ken kamap long ol marasin nogut, nogat gutpela giraun bilong wok gaden, na tu i nogat gutpela wara na ol samting long giraun. Olgeta ol dispela ol wanwan hevi ol i bin skelim na galasim gut turu long ol wok painim aut i kamap long phase 1.

Narapela ol hevi we ol kominiti i tokaut long em, em long mak bilong giraun na husait i papa long ol dispela giraun, na tu long ol lain husat kampani i bin karim ol i kam sindaun long ol giraun bilong ol asples lain long taim bilong main. Tasol long dispela wok painim aut, ol dispela kain bel hevi na toktok i stap arasait long wok bilong phase 1 olsem na ol i no bin karamapim insait long wok painim aut.

Ol wok i kamap long Main Domein

Long olgeta wok we i bin kamap long phase 1 insait long hap bilong main domein, wok painim aut i bin kamapim klostu olsem:

- 60-pela giraun sempels na ol pipia ston, na tu ol giraun bilong ol gaden
- 80-pela wara sempels na bikpela wara na tu long hap we ol ples manmeri i save dring long em
- 61-pela ol liklik hap kaikai

Dispela olgeta sempels we ol i bin kisim long olgeta domein, ol i bin salim i go ovasis, long ol laboratory we i gat bikpela nem na tu luksave long galasim gut ol sempels. Ol resalt we bin kam bek, mipela i bin skelim wantaim international criteria na ol ples we

ino bin stap klostu long Panguna main. Dispela em long skelim sapos ibin gat bagarap or nogat long yia 1989 i kam nap nau.

Ol wok bilong sekim na save long strong bilong ol olpela haus bilong main, na wantaim main pit na ol rot tu mipela i bin pinisim. Na tu, i bin gat 185-pela wanwan haus mipela bin askim long stori long sindaun bilong ol long ples na long raits bilong ol.

Sampela hap long arere bilong main pit na rot i go insait long pit i stap long bikpela birua na i ken pundaun klostu taim. Ol dispela hap we i gat bikpela sans tru long pundaun em i stap long tripela hap insait long main pit, rot na ples hap we i stap antap long Pirurari, na tripela ples hap long pot i go long main rot klostu long Panguna Taun (Piksa Plet 2). I no inap long tok wanem taim ol dispela hap ba pudaun. Sapos dispela ol hap i buruk na pundaun i kam daun, ol pipol i ken kisim bikpela bagarap o i ken kamapim dai na tu bai i ken pasim rot bilong ol manmeri long go kisim halivim long hausik o taun.

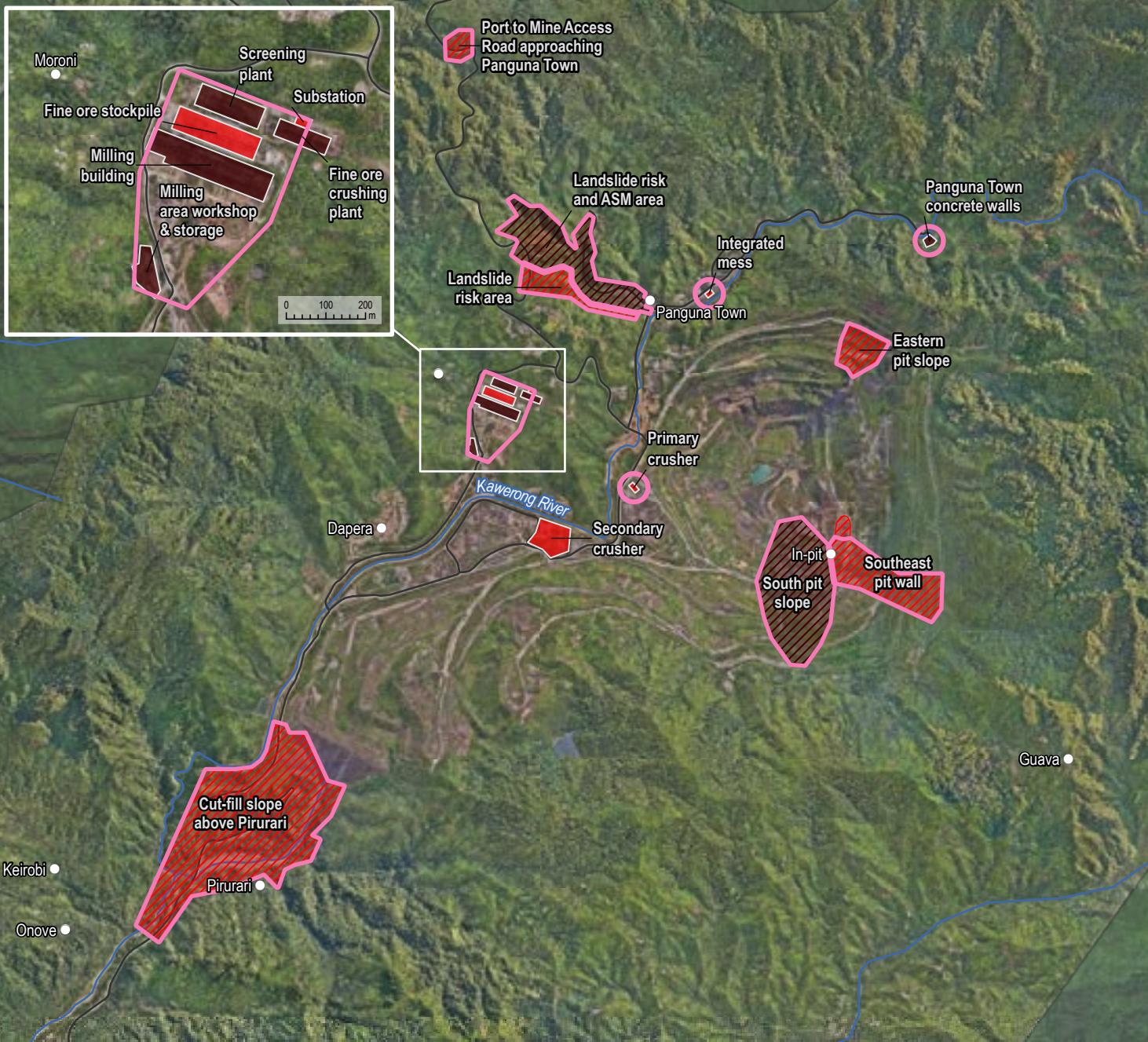


Piksa Plet 2

Hap we giraun i buruk antap long Rot igo long Pot na Main wantaim hap we oli wok long wok gol (piksa oli kisim long rot)

Sampela ol olpela haus bilong main tu i gat bikpela sans long pundaun. Ol hap we i gat bikpela sans long pundaun em ol haus long Panguna taun (Piksa Plet 3), na sampela ol haus we i sanap yet long hap ol i bin save wasim na milim gol na kopa bipo (Piksa Plet 4 and Piksa Plet 5). Sapos ol dispela haus i pundaun kam daun, ol pipol husat i stap klostu long ol dispela haus taim em i pundaun i ken kisim bikpela bagarap o ken kamapim dai tu.

Piksa namba 2 em soim dispela ol hap we i gat bikpela sans tru long giraun o ol haus i ken pundaun i kam daun.



LEGEND

- Village
- Road
- Watercourse

Geohazard risk rating

- High
- Extreme

Structural hazard risk level

- High
- Extreme

Human rights impact

- Potential impact to right to life

Domain-wide human rights impact

- Potential impact to health (access)

Impact extents are approximate and circles shown are symbolic only. These areas should be used as a guide only.



0 0.5 1 km

Piksa Namba 2 Ol birua bilong strong bilong giraun na ol straksas na ol hevi kamap long sindaun bilong ol manmeri na tu long raits bilong ol – Main Domein

Ol marasin nogut i kam long hap olsem long olpela pawa haus na hap bilong putim petrol i kamapim bagarap long liklik hap tasol na ino go long olgeta hap insait long main hap. Klostu long ol sampela olpela haus bilong main, kain olsem long pit, bikpela namel woksop, na pawa hap tu, ol pipol i stap long ol dispela hap i ken kisim birua long ol marasin nogut i stap insait long giraun. Dispela i ken kamapim hevi long helt bilong ol manmeri husat i save holim giraun planti taim, o ol i no save na kaikai o pulim win bilong dispela giraun.

Taim mipela i bin testim ol pipia ston long waste rock dump na long Dapera, ol test i soim olsem ol iron o metal insait long ol dispela ston i ken kamapim hevi long gro bilong ol bus. Mak bilong ol metal insait long ol kaikai na gaden long waste rock ino soim klia tumas long wanem kain ol bagarap i ken kamap, tasol mipela i skelim olsem igat liklik birua tasol long ol bikpela manmeri husat i save kaikai ol gaden kaikai long dispela hap. Tasol long ol liklik pikinini husait krismas bilong ol ino abrusim 6-pela yia, sapos oli kaikai gaden kaikai long waste rock dump, bai ol i ken kisim sik. Bai mas gat yet moa wok painim aut long save gut stret long wanem ol hevi i ken kamap long helt bilong ol manmeri na pikinini long dispela hap. Na long ol pipia ston we i stap long waste rock dump, i nogat birua i ken kamap long helt bilong ol manmeri sapos oli holim giraun wantem han bilong ol.

Wara long Kauerong-Jaba emi wok long bagarap yet wantem ol marasin nogut we i stap insait long Main Domein, tasol mak bilong kopa insait long wara we i wok long kam aut long waste rock dump, emi kam daun olgeta klostu olsem long 90% bihain long 1989 i kam inap nau we dispela emi mekim na wara i wok long kamap gut gen.

Tasol, igat tupela bikpela hap insait long Main Domein we wara ino gutpela tumas long dring o waswas, bilong wanem, mak bilong ol iron o marasin nogut insait long ol dispela wara i stap antap tru na i ken kamapim hevi long ol manmeri, kain olsem ol lain husat i save wasim gol. Wanpela long ol dispela hap em long tamblo bilong waste rock dump we wara i kam aut long em, na narapela hap em long Kauerong wara klostu long ples Pirurari na Onove.

Ol wok painim aut we i kamap long Phase 1 long Main Domein, i soim olsem i nogat birua long ol wara we ol manmeri i save dringim na tu long helt bilong ol we ol marasin nogut i ken kamapim.



Piksa Plet 3

Panguna taun simen wol

Tasol ol kominiti husat i save stap insait long main pit na save kisim wara long ol ples antap we wara i ron i kam daun arere long pit wantem ol iron o metal we mak bilong ol i stap antap tru, dispela i mekim ol wara i no gutpela long dring o waswas.

Taim ol i bin kirapim main long stat bilong 1970s, ol i bin rausim bikpela hap tru wantaim ol bikpela bus, ples bilong ol wel abus, na tu ol bikpela bus na diwai we i save stap tasol long ol maunten ples. Dispela i bin daunim tru hap bilong painim ol samting long big bus na giraun bilong ol manmeri long dispela taim. I nogat strongpela tingting long tok olsem wok bilong main long yia 1989 i kam inap nau i wok long daunim ol bus na ol samting bilong giraun. Ol bagarap we i kamap long bus tete i kamap bilong wanem namba bilong ol manmeri i go antap na ol i wok long rausim bus.

Piksa Namba 3 ol birua we i ken kamap long giraun na ol olpela samting bilong main wantaim ol hevi we i ken kamap long sindaun bilong ol manmeri na raits bilong ol-Main Domein.



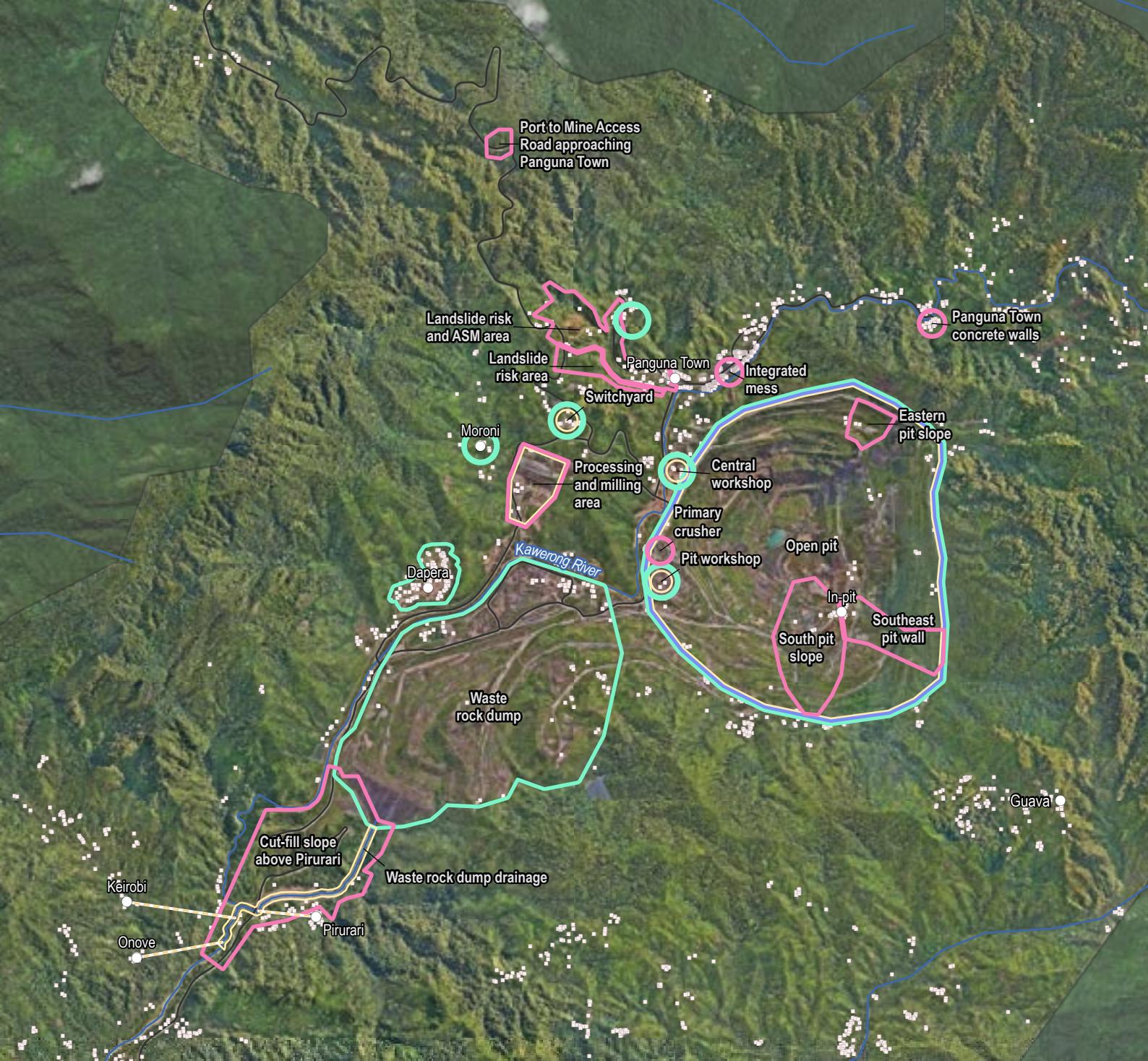
Piksa Plet 4

Hap bilong burukim ol ston igo liklik stret we i stap insait long hap bilong milim gol na kopa



Piksa Plet 5

Mil hap woksop na hap bilong putim kopa na gol we i stap hapsait long Moroni



LEGEND

○ Village	Human rights impact		
▫ Main dwelling structure	<ul style="list-style-type: none"> Actual impact to right to water Potential impact to right to life Possible impact to right to adequate food, housing and standard of living Possible risk to right to health 		
— Road			
— Watercourse			
	Conservatively included community		
	<ul style="list-style-type: none"> Possible risk to right to health 		
	Domain-wide human rights impact		
	<ul style="list-style-type: none"> Actual impact to right to a clean, healthy and sustainable environment* Potential impact to right to health (access) Possible impact to right to health (contamination) 		
	<small>*This human right is impacted at each location where other human right impacts exist Impact extents are approximate and circles shown are symbolic only. These areas should be used as a guide only.</small>		



0 0.5 1 km

Piksa Namba 3 Sotpela toktok long ol hevi i kamap long raits bilong ol manmeri – Main Domein

HAP BILONG OL BIKPELA WARA

Dispela hap em i karamapim olgeta ol bikpela wara i stap long Kaverong-Jaba klostu long special mining lease hap na i go daun bihainim wara Jaba.

Ol tinting na toktok bilong kominiti

Insait long dispela wara hap o domein, ol pipol i tingting planti long ol hevi we i save kamap long taim bilong brukim ol bikpela wara, save long strong bilong banis bilong wara i stap olsem wanem, na tu long ol bagarap we i save kamap taim ol wara i tait na save brukim giraun na bagarapm ol gaden kaikai. Ol pipol i wari tu long helt bilong ol olsem nogut ol i kisim bagarap long ol marasin nogut i kam daun long main wantaim ol ol pipia bilong gol na kopa na ol pipia ston, nogat gutpela wara bilong dring na tu long ol bagarap we i kamap long Konaviru Wetlands. Wanwan long ol dispela wari na hevi mipela i bin skelim na galasim gut insait long ol wok i kamap long phase 1.

Ol wok i kamap long Wara Domein

Long phase 1 insait long bikpela wara hap, mipela i bin kisim klostu olsem:

- 60-pela ol sampal bilong giraun na ol pipia bilong gol na kopa na tu ol gaden sampal
- 150-pela wara sampal wantaim bikpela wara na tu long ol hap bilong kisim wara bilong dring
- 56-pela samal bilong kaikai.

Insait long dispela wok painim aut, i bin gat tu ol narapela wok we i kamap long save na skelim strong bilong giraun, ron bilong ol bikpela wara na wanem hap wara i save tait long em, na tu i bin gat 105-pela ol askim long stori na kisim tingting bilong wanwan haus.

Ol wok painim aut i lukluk tu long skelim wanem ol hap i gudpla long ol manmeri na pikinini long wokabaut long Kaverong-Jaba wara. Ol wok i kamap long wok painim aut i soim olsem ol hap nogut stret long wokabaut long wara we main i bin bagarapim i stap antap long Kaverong wara na long Tailings Basin 1, we i gat wesan i malumalum na tu hap long namel bilong wara i save senis klostu klostu.

Klostu long Jaba Pam Stesin, ol pipol i stap wantaim tupela kain ol hevi. Namba wan hevi em ol marasin nogut we i stap insait long giraun klostu long ol olpela haus masin bilong pamim wara we i ken mekim ol manmeri sik sapos ol i no save na ol i kaikai o pulim win insait long giraun. Namba tu em hevi em long wanpela olpela haus bilong main we nau ol i usim olsem haus lotu em i stap long mak bilong pundaun, we i ken kamapim bikpela hevi na kamapim dai tu long ol ples lain taim ol i stap aninuit na em i pundaun kam daun. Olgeta ol dispela birua i stap klostu tasol long Jaba Pam Stesin na ino inap bagarapim ol pipol husait i stap long we.

Taim main i bin op yet, ol i bin wokim bikpela banis bilong wara long pasim na skelim ron bilong ol pipia bilong gol na kopa. Bikpela bilong ol dispela banis bilong wara em i stap long hap we Jaba na Kaverong wara i bung long em, ol i kolin olsem Main Pump Station Levee. Em olsem 30 mita igo antap na klostu olsem 3.2 kilomita longpela bilong em. Kaverong wara i save ron long not sait bilong dispela bikpela banis bilong wara na Jaba wara i save ron long saut sait bilong dispela bikpela banis bilong wara. Sampela hap bilong Main Pump Station Levee i stap nau long mak bilong pundaun (Piksa Plet 6).

Dispela hevi i wok long kamap taim ren i wok long rausim ol wesan antap long dispela banis wara, ol wara i ron antap long giraun na tu ol wok bilong painim gol i kamap planti long dispela hap. Ating wanpela bikpela giraun guria tu i mas bin mekim dispela hap banis long bruk na kamap olsem. Em i no klia gut yet long wanem taim stret bai ol dispela ol hap banis bai i buruk na pundaun, bilong wanem i gat planti ol samting we em i ken mekim na dispela samting bai kamap olsem. Tasol, bihainim ol wok painim aut, em klia olsem levi (bikpela banis bilong wara) bai pundaun pas long hap we em i wok long kamap liklik nau long Section 4 bilong levi na taim dispela samting i kamap, wara Kaverong bai hariap tru senism ron bilong em na ron i go insait long wara Jaba bihainim bikpela hul we i stap pinis long sait bilong levi. Yumi no save yet wanem taim dispela hevi bai kamap. Taim levi i buruk na pundaun, dispela bai kamapim bikpela hevi na ken kamapim dai tu long ol manmeri husat i stap klostu long dispela olsem ol lain bilong wok gol. Taim wara emi tait bai nonap kamapim bikpela hevi tumas olsem sampela ol bikpela wara tait wok long kamap nau long dispela hap.

Narapela samting we i ken kamapim bikpela hevi insait long Bikpela Wara Domein em long Biris bilong Momau wara. Dispela biris emi stap long mak bilong kamapim bikpela birua stret taim ol hevi trak i ron antap long biris we em i ken buruk i kam daun na bagarapim o kilim ol manmeri husat i stap insait long trak o bai stap klostu long biris long dispela taim.



Piksa Plet 6

Seksin 4 bilong Main Pump Station Levee, we taim banis bilong wara i buruk em i ken kamapim hevi long ol lain save wok gol



Main i bin rausim klostu olsem 600 milion tan bilong ol pipia bilong gol na kopa i go insait long wara Kauerong long taim emi bin opereit yet. Bihain long yia 1989 taim main i bin pas, wara i bin surukim isi isi ol pipia bilong gol na kopa i go daun long solwara. Sampela hap long ol pipia bilong gol na kopa tu bus i kamap bek nau, olsem long saut sait bilong tupela ol pipia bilong gol na kopa besin na ol hap we i bin gat ol pipia bilong gol na kopa nau bus wok long karamapim gen.

Tupela bikpela senis we i kamap bihain long yia 1989 em ol pipia bilong gol na kopa i stap nau long ol niupela hap. Namba wan senis, em taim Jaba wara i bin go antap na abrusim mak long not sait bilong wara sampela taim namel long yia 1998 na 2011, dispela em bin putim ol pipia bilong gol na kopa i go long tambo hap long not sait bilong wara, ol save kolim olsem Northern Tailings Breakout area. Namba tu senis, we i bin kamap em taim Jaba wara i senisim rot bilong em na lusim Bato Biris na ron saut i go insait long Konaviru Wetland long yia 2017. Nau dispela i mekim na ron bilong wara i go bikpela tru na save go long Konaviru Wetland na karim ol pipia bilong gol na kopa wantaim tu i go long ol dispela niupela hap.

Dispela swamp hap emi namba wan ples bilong ol kainkain wel abus na ol bus diwai, wantaim ol pisin bilong wara, na ol bus we i no save stap long planti ol narapela hap na tu long ol pipol husat i save kisim ol samting long em. Ol pipia bilong gol na kopa we i stap tu insait long dispela swamp hap i wok long kamapim planti hevi olsem mekim ol wara i tait long Kuneka Creek na ol ples we i stap klostu.

Piksa namba 4 i soim ol hap we i ken kamapim bikpela hevi long giraun, ol samting i sanap yet olsem ol olpela haus na tu ol hap we wara i save tait.

Ron bilong ol pipia bilong gol na kopa bihainim ol wara i go daun i wok long bagarapim sampela long ol kominiti taim em i senisim ron bilong em na mekim wara i wok long tait, na tu wara i wok long karim i go daun ol marasin nogut wantem ol pipia bilong gol na kopa na i wok long bagarapim ol wara na gro bilong ol bus. Maski em i olsem, hevi long ol manmeri taim oli kaikai ol gaden kaikai we i gro antap long ol pipia bilong gol na kopa em i liklik tasol. Ol narapela wok we ol manmeri save wokim na holim ol pipia bilong gol na kopa kain olsem wasim gol antap long River System Domain, emi no inap kamapim bikpela hevi tumas long helt bilong ol manmeri.

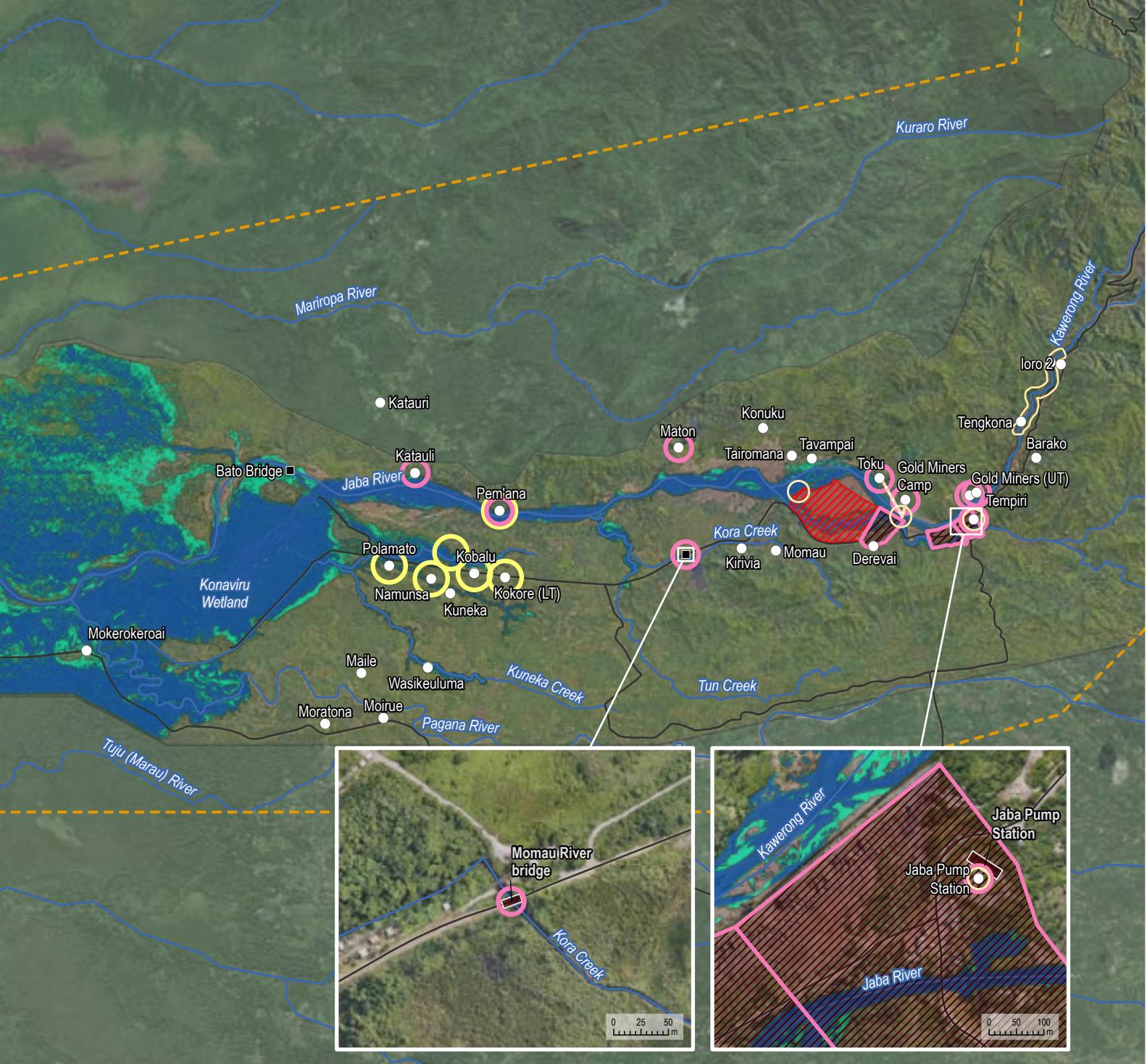
Taim ol manmeri i dringim ol wara we ol i bin testim long wok painim aut long phase 1, ol test i soim olsem i nogat hevi long marasin nogut o metal we bai bagarapim helt bilong ol manmeri, tasol sapos ol i dringim Kauerong-Jaba wara long taim bilong nogat ren stret long longpela taim, em nau dispela i ken kamapim sik long ol manmeri.

Igat planti taim wara i save tait long tambo hap bilong River System Domain. Wara tait we main i kamapim i save kamap long tupla sait wantem long Kuneka Creek na ol liklik han wara we i save kam bungim Kuneka wara, olgeta ol dispela wara i save kamapim hevi long giraun bilong wok na laif bilong ol manmeri long ples. Em save bagarapim tu ol wok we i ken kamap long giraun, kain olsem ol gadan bilong planim kaikai. Ol hap bilong kisim wara bilong dring na ol narapela hap bilong wokim wok na ol samting bilong bus tu, wara tait i wok long bagarapim yet stap. Wara i save tait tu long saut sait bilong Tailings Basin 2 namel long Jaba wara na bikpela rot bilong kar.

Taim ol bikpela wara i save tait, ol i ken bagarapim na pasim tu rot bilong ol ples lain long go kisim halivim long hausik o go long skul. Ol pipia bilong gol na kopa na wara tait long Kuneka Creek em i save abrusim biris we ol i bin wokim bilong pasim wara (ol kolim tu olsem Kuneka Creek Bridge) na save kamapim hevi long seifti bilong ol manmeri na tu long rot long wokabaut long wara i go long narapela sait.

I gat tu bikpela hap we wara i save tait long Mokerokeroai ples stat long tambo hap bilong Pangara wara, we sampela bilong ol dispela hevi em main i kamapim, na tu dispela i ken kamapim hevi long ol manmeri taim oli wok long giraun na tu long taim ol i usim ol samting o risos we i stap long ples bilong ol.

Piksa Namba 5 i soim sotpela toktok bilong ol bagarap long raits bilong ol manmeri long River System Domein.



LEGEND

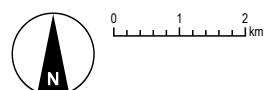
- Village
- Point of interest
- Road
- Watercourse
- Phase 1 study area
- Modelled hydrology and flooding**
 - 50% AEP (2-year)
 - 1% AEP (100-year)

Geohazard risk rating	
	High
	Extreme
	Extreme

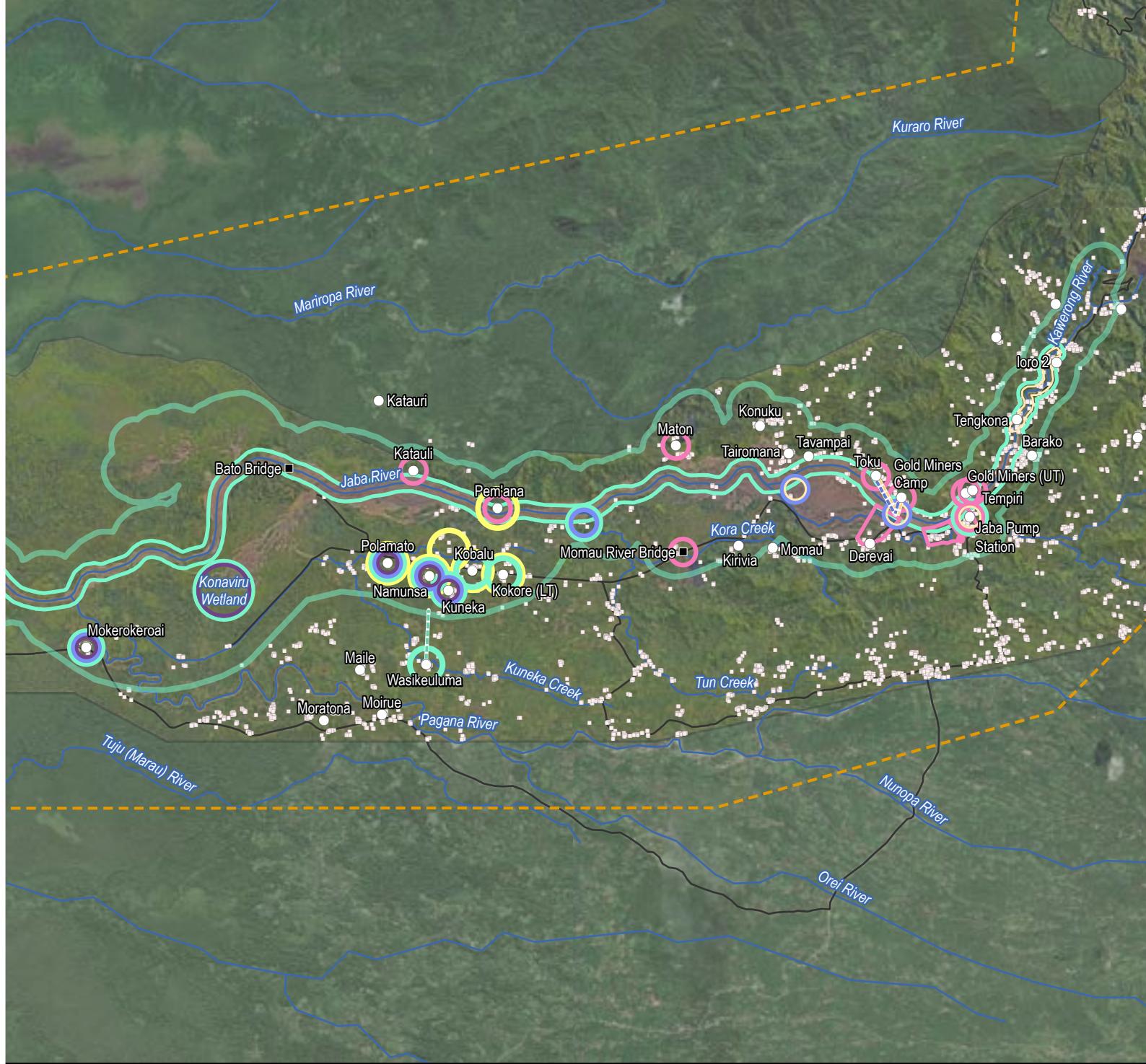
Structural hazard risk level

- Human rights impact**
- Actual impact to right to education
 - Potential impact to right to life
 - Possible risk to right to health
- Conservatively included community**
- Possible risk to right to health

Impact extents are approximate and circles shown are symbolic only. These areas should be used as a guide only.



Piksa Namba 4 Strong bilong giraun, ol olpela haus, biris na masin bilong main, ol hevi bilong wara na ol hevi we i save kamap long sindaun bilong ol manmeri na tu long raits bilong ol – River System Domein



LEGEND

- Village
- Main dwelling structure
- Point of interest
- Road
- Watercourse
- Phase 1 study area

- Human rights impact**
- Actual impact to right to water
 - Actual impact to right to education
 - Actual, potential and possible impact to cultural rights
 - Actual and possible impact to right to adequate food, housing and standard of living
 - Potential impact to right to life
 - Possible risk to right to health

- Conservatively included community**
- Actual impact to right to water
 - Possible impact to right to adequate food, housing and standard of living
 - Possible risk to right to health

- Domain-wide human rights impact**
- Actual impact to right to a clean, healthy and sustainable environment*
 - Actual impact to right to health (access)

*This human right is impacted at each location where other human right impacts exist.
Impact extents are approximate and circles shown are symbolic only. These areas should be used as a guide only.



0 1 2 km

Piksa Namba 5 Sotpela toktok long ol hevi i kamap long raits bilong ol manmeri – River System Domein

HAP BILONG DELTA (HAP WE WARA I BUNGIM NAMBIS)

Delta Domein o hap wer wara i bungim solwara i karamapim ol ples i go osem long Jaba Wara Delta o wesan ples wer bikpela wara i buruk go long liklik ol wara pastaim long em bungim solwara we i stap insait long Empress Augusta Bay na inapim hap klostu osem wan kilomita bilong nambis ples. Dispela hap wara i bungim solwara i bin kamap long ol pipia bilong gol na kopa we wara i karim kam daun biahainim Jaba Wara na i go arasait long Empress Augusta Bay.

Ol tingting na toktok bilong kominiti

Insait long hap wer maus bilong wara i bungim solwara , ol pipol i wok long tingting planti long ol bagarap we i kamap long helt bilong ol na tu long taim wara i save tait na bagarapim giraun, ol marasin nogut insait long das, hap bilong kisim wara bilong dring, kaikai na tu giraun na ol samting bilong solwara we i stap insait long Empress Augusta Bay. Wanwan bilong ol dispela hevi mipela i skelim na galasim gut insait long wok i kamap long phase 1.

Wok i kamap long Delta Domein

Ol wok i kamap long phase 1 insait long hap wer wara i bungim solwara, mipela i bin kisim klostu long:

- 15-pela sampal bilong giraun, na ol pipia bilong gol na kopa, na tu long ol gaden
- 10-pela ol liklik hap wara long bikpela wara na tu long hap bilong kisim wara long dring
- 36-pela ol liklik hap kaikai.

Ol narapela wok painim aut tu i bin kamap osem long lukluk long ron bilong ol bikpela wara na taim wara i save tait na tu i bin gat 9-pela askim long stori na kisim tingting bilong wanwan haus.

Bihain long yia 1989 i kam inap nau, ol pipia bilong gol na kopa wok long kam antap yet long maus bilong Jaba Wara. Dispela i mekim na hap wer wara i bungim solwara i wok long go bikpela yet, tasol nau bus i gro na kamap gen stat klostu osem long yia 2011 i kam inap nau. Long yia 2023, sais bilong hap wer wara i bungim solwara i bin osem 1,056 ha (hektas) na biahain long main i bin pas long yia 1989, em bin inap osem 975 ha (hektas). Nau i luk osem ol pipia bilong gol na kopa long maus bilong Jaba Wara bai ino nap go bikpela moa bilong wanem ol pipia bilong gol na kopa wok long nau biahainim wara i go insait na stap long Konaviru Wetland.

Ol pipia bilong gol na kopa nau i karamapim planti hap insait long hap wer wara i bungim solwara na dispela em i ken rausim ol gutpela giraun bilong planim kaikai na tu planti ol kaikai no inap long kamap gut. Igat ol pipia bilong gol na kopa tu i stap insait long Empress Augusta Bay we ol bikpela wara i wok long karim kam daun yet.

Ol graun long gaden i no soim ol marasin nogut o metal bilong main, tasol ol metal i stap long ol pipia bilong gol na kopa. Maski osem, i gat liklik birua long ol manmeri long kaikai i kamap long hap war ol pipia bilong gol na kopa i stap. Ol wok osem gaden long ol pipia bilong gol na kopa i no laikim long kamapim sik long bodi bilong ol manmeri.

Long wok painim aut bilong phase 1 long hap wer wara i bungim solwara, em i soim osem ol wara bilong dring we ol i bin testim i no inap long kamapim hevi long ol manmeri long sait bilong ol marasin nogut o long ol iron o metal ol i bin usim long taim bilong main operesen, tasol bikpela Kawerong-Jaba Wara em i no gutpela stret long dring.

Ol bikpela hevi we i wok long bagarapim ol pipol em i kamap taim ol bikpela wara i save tait planti taim, na sampela bilong ol dispela hevi em main i kamapim, na tu ol marasin nogut na metal insait long ol pipia bilong gol na kopa we i ken bagarapim giraun we ol manmeri save wok long em na tu ol wara we ol i save dringim na usim. Ol wok painim aut insait long Phase 1 i soim osem taim ol wara i save tait long Matoga, em ino save kam long Jaba Wara, osem na ol wara tait long dispela hap em main i no kamapim. Taim wara i tait long Marau, em i luk osem bai wankain osem wara i bin tait long 1989, bilong wanem ol ron bilong Jaba na Pangara wara klostu long Marau long yia 1989 taim ol i bin wokim ol longpla pipe bilong ol pipia bilong gol na kopa, na dispela i bin strongim ron bilong dispela tupela wara na bin surukim maus bilong wara Tuju (Marau) long banisim paip bilong ol pipia bilong gol na kopa we nau i stap yet.

Ol marasin nogut wantem ol metal we i stap insait long ol pipia bilong gol na kopa bilong main bai i ken bagarapim tu ol samting bilong solwara insait long Empress Augusta Bay, tasol wok painim aut long sait bilong solwara i no bin pinis long phase 1 osem na i nogat i nap ripot yet long tokaut klia long ol dispela hevi.

Piksa Namba 6 i soim sotpela toktok long ol hevi we i kamap long raits bilong ol manmeri long hap wara i bungim solwara.



Empress Augusta
Bay



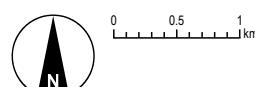
LEGEND

- Village
- Main dwelling structure
- Point of interest
- Road
- Watercourse
- Dashed yellow line

- Human rights impact**
- Actual impact to right to water
 - Possible impact to cultural rights

- Domain-wide human rights impact**
- Actual impact to right to a clean, healthy and sustainable environment*
 - Actual impact to right to health (access)
 - Possible impact to right to adequate food, housing and standard of living

*This human right is impacted at each location where other human right impacts exist.
Impact extents are approximate and circles shown are symbolic only. These areas should be used as a guide only.



Piksa Namba 6 Sotpela toktok long ol hevi i kamap long raits bilong ol manmeri – hap wer wara i bungim solwara

HAP BILONG POT NA TAUN

Pot na Taun i karamapim ol ples olsem long Arawa Bay, Anewa Bay na ol ples i go olsem long Rorovana. Em i karamapim tu ol wok samting bilong main long Loloho Pot hap olsem hap bilong bungim na draim kopa, hap bilong lukautim ol bensin, oil na olawa stesin na tu rot we i stat long Pot na i go long main na Pinei Wara, olgeta i stap insait long dispela hap.

Ol toktok na tingting bilong kominiti

Long dispela Pot na Taun hap, ol kominiti i tingting na toktok planti long ol wara i save tait na ol wesan i stap insait long ol gaden we i stap klostu long Pinei Wara. Ol i wari tu long namba bilong ol pis i wok long go daun long maus bilong Pinei Wara insait long Rorovana Bay na ol marasin nogut we i stap long ol olpela ol samting bilong main na pot hap we em i bagarapim helt bilong kominiti. Ol pipol i wari tu long ol marasin nogut insait long Anewa Bay we em i wok long givim hevi long helt bilong ol meri long sait bilong karim pikinini. Wanwan bilong ol dispela ol hevi mipela skelim na galasim gut insait long wok i kamap long phase 1.

Ol wok i kamap long Pot na Taun

Ol wok i kamap long phase 1 insait long Pot na Taun hap, mipela i bin kisim klostu olsem:

- 36-pela sampal bilong giraun na tu long ol gaden
- 24-pela sampal bilong wara na long hap bilong kisim wara bilong dring
- 38-pela sampal kaikai

Ol narapela wok painim aut em long skelim wanem kain bagarap i stap long ol olpela main haus, ol bikpela bokis long putim ol samting insait na tu i bin gat 65-pela ol askim long ol wanwan haus. Olgeta wok long ples na ol wok bilong usim ol masin long galasim gut ron bilong ol wara na lukluk long ol wara i save tait, olgeta long ol dispela wok painim aut i pinis na kamap long ol ples insait long Rorovana na Pinei Wara.

I gat ol olpela haus na ol bikpela bokis long putim ol samting insait bilong Panguna main, olsem pawa haus (Piksa Plet 7), haus bilong skelim ol samting (Piksa Plet 8), na tu ol ol bikpela bokis bilong lukautim marasin (Piksa Plet 9) we ol i stap long mak bilong klostu pundaun. Sapos ol dispela samting i pundaun, ol i ken kamapim bikpela bagarap o kamapim dai long ol lain husait i stap klostu long dispela hap long dispela taim. Piksa namba 7 i soim ol hap we i gat bikpela hevi long ol dispela samting we i ken pundaun klostu taim.

Sampela hap insait long Pot na Taun hap ol i bin painim olsem i gat ol marasin nogut we em i ken kamapim bikpela hevi taim ol manmeri i smelim o i ken bagarapim skin. Long Anewa Bay, dispela em ol haus bensin hap, ol bikpela bokis bilong lukautim marasin, bikpela haus stoa na hap bilong sip. Long Rorovana 3, dispela em ol olpela sip kontena, ol olpela bokis bilong putim ol samting na olpela hap bilong tritim pekpek na pispis.

Mak bilong ol marasin nogut we i stap long giraun long Anewa Bay i ken bagarapim bodi bilong ol pipol sapos ol i holim dispela ol giraun, o sapos ol i no save na kaikai o pulim win i go insait long giraun. Piksa namba 8 i soim sampela bilong ol dispela hap olsem bokis bilong lukautim marasin, Loloho paia stesin, hap bilong lukautim ol bikpela petrol kago na long hap bilong Shell oil haus.



Piksa Plet 7

Pawa haus long Anewa Bay



Piksa Plet 8 *Haus bilong skelim ol samting long Loloho Pot*



Piksa Plet 9 *Ol bokis bilong lukautim ol marasin insait long Anewa Bay*

Ol wok painim aut i kamap long phase 1 i soim olsem ol ples hap we marasin nogut i stap long em ino karamapim olgeta hap, em i stap klostu tasol long liklik hap insait long dispela domein. I gat sampela marasin nogut we i stap insait long giraun ol i bin kisim long ol gaden klostu long ol dispela ol samting (infrastructure) we em i ken daunim gro bilong kaikai long gaden. Tasol, i gat liklik bagarap tasol we i ken kamap long bodi bilong ol manmeri taim ol i kaikaim ol kaikai long gaden we i gro long dispela ol hap. Ol dispela kain ples em long Itakaya, ol hap we ol i bin tromoi ol pipia long rot I go long Pot na Main.

Antap long dispela, bai i nogat hevi o bagarap long helt bilong ol manmeri long ol marasin nogut we i stap long solwara bilong wanem i bin gat liklik wok painim aut tasol long dispela hap.

Ol tests bilong ol wara bilong dring na ples ol manmeri save kisim wara long Pot na Taun hap i soim olsem ol wara bilong dring i no inap kamapim hevi long bodi bilong ol manmeri long dispela hap na tu i no gat marasin nogut, metal long ol dispela wara bilong dring.

Bihainim ol wok painim aut bilong bipo, mipela luksave olsem ol wara tait na ol wesan insait long Pinei Wara em i bin kamap long taim bilong main, taim ol i bin wokim Pot na Rot i go long main na tu long taim ol i bin saitim ron bilong wara i go long narapela hap. Nau ol bagarap we i save kamap taim ol wara i tait na karim wesan wantaim i kam daun, ol dispela hevi main i no kamapim.

Piksa Namba 9 i soim sotpela toktok bilong bagarap long raits bilong ol manmeri long Pot na Taun Domein.



LEGEND

○	Village	[Yellow Box]	Hazardous chemical storage		Human rights impact	
■	Point of interest				Potential impact to right to life	
—	Road				Potential impact to right to health	
—	Watercourse					Impact extents are approximate and circles shown are symbolic only. These areas should be used as a guide only.

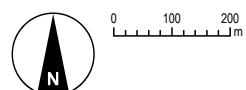
Structural hazard risk level

High

Human rights impact

Potential impact to right to life

Potential impact to right to health



Piksa Namba 7 Ol marasin nogut na ol birua bilong ol samting bilong main (structural) na ol hevi kamap long sindaun bilong ol manmeri na raits bilong ol – Pot and Taun Domein



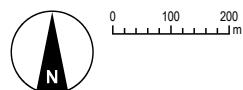
LEGEND

○	Village
■	Point of interest
—	Road
—	Watercourse
Site contamination risk ranking	
5	
6	

Sample location	
●	Garden soil sample
●	Food sample
Soil exceedence criteria	
●	Agricultural residential health criteria
●	Food standards criteria
Food exceedence criteria	

Human rights impact	
●	Possible impact to right to adequate food, housing and standard of living*
●	Possible risk to right to health
Domain-wide human rights impact	
Actual impact to right to a clean, healthy and sustainable environment†	

*Impacts in Anewa Bay differ depending on rightsholder groups across the domain
†This human right is impacted at each location where other human right impacts exist
Impact extents are approximate and circles shown are symbolic only. These areas should be used be used as a guide only.



Piksa Namba 8 Ol bagarap we i kamap long giraun, sindaun bilong ol manmeri na raits bilong ol – Pot na Taun Domein



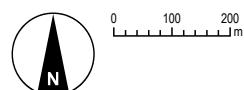
LEGEND

- Village
- Main dwelling structure
- Point of interest
- Road
- Watercourse

- | Human rights impact | |
|---------------------|--|
| [Pink Box] | Potential impact to right to life |
| [Yellow Box] | Potential impact to right to health |
| [Green Box] | Possible impact to right to adequate food, housing and standard of living* |
| [Orange Box] | Possible risk to right to health |

- Domain-wide human rights impact**
Actual impact to right to a clean, healthy and sustainable environment†

*Impacts in Anewa Bay differ depending on rightsholder groups across the domain
†This human right is impacted at each location where other human right impacts exist
Impact extents are approximate and circles shown are symbolic only. These areas should be used as a guide only.



Piksa Namba 9 Sotpela toktok long ol hevi i kamap long raits bilong ol manmeri – Pot na Taun Domein

OL HAP WE PLANTI OL SAMTING I NO KLIA GUT YET

Planti ol samting i no klia gut yet bihainim ol dispela wok i kamap long phase 1 kain olsem:

- Ol liklik hap giraun na ston, mipela i bin kisim antap long giraun tasol na insait long giraun yumi no save yet long mak bilong ol marasin nogut inap we na tu long save long ol hap aninit long giraun we i no stap strong tumas.
- Liklik namba tasol bilong ol liklik hap giraun na wara mipela i bin kisim long ol hap we i stap klostu klostu na em i mekem hat long save gut long wanem hap ol marasin nogut inap long em aninit long giraun.
- Ino klia gut yet long wanem kain bagarap ol marasin nogut bilong wok gol i kamapim, tasol i gat bagarap i kamap antap long Kawerong Wara we wok gol i kamapim.
- Ino klia gut yet long ol bagarap i kamap long Main Pump Station Levee na wanem taim stret bai em buruk i go daun.
- Em i no klia gut yet long wanem taim ol wara i save tait, hamaspela taim wara i save tait na tu long save long gutpela bilong wara long taim wara i tait.
- Em i no klia gut yet long hamas marasin nogut i stap insait long giraun, na tu long save long ol pipia bilong gol na kopa na wara tait i save bagarapim giraun na gro bilong ol gaden olsem wanem.
- Em i no klia gut yet long save long mak bilong ol marasin nogut, ol abus bilong solwara i stap olsem wanem na hao ol manmeri i usim insait long Empress Augusta Bay na Anewa Bay na tu wanem kain ol hevi i ken kamap long bodi bilong ol manmeri long ples.
- Ol birua we i ken kamapim hevi long bodi bilong ol manmeri long ol marasin nogut i stap long giraun, wara, kaikai na tu taim ol manmeri i stap klostu long ol dispela marasin nogut.

OL TINGTING NA TOKTOK BILONG DAUNIM HEVI

Olgeta toktok bilong bagarap we i stap antap na moa yet insait long phase 1 Wok Painim Aut Ripot i toktok long ol hevi i stap nau na ol hevi we i ken kamap long raits bilong ol manmeri na tu long bodi bilong ol. Olgeta toktok na tingting we i stap insait long phase 1 Wok Painim Aut Ripot i tokaut klia long wanem rot i stap long stretim na daunim ol dispela hevi na tu long save long ol wanem samting i no klia yet we bai mas gat moa wok painim aut.

HAP BILONG MAIN

Ol strongpela tingting bilong daunim ol hevi na stretim ol bagarap na luksave long ol rot bilong stretim ol dispela hevi em olsem:

- Stretim ol haus i no sanap strong na ol giraun we bai buruk na kamapim moa hevi. Ol dispela hap we ol dispela kain hevi ken kamap em long ol ples insait long Panguna taun, olpela hap bilong brukim ol gol na kopa go liklik, Panguna main pit na ol peles long Pirurari.
- Stretim ol hap we i gat bikpela sans bilong giraun bai buruk we i stap namel long rot i go long Pot na Main na rot i go daun long Piruari, we sapos dispela hevi i kamap, em i ken pasim o senism rot bilong kisim halivim long lukautim bodi na tu em i ken kamapim ol narapela rot bilong stretim ol dispela hevi.

Ol toktok bilong daunim hevi i kamapim tu tingting bilong wokim moa wok painim aut insait long Main Domein hap long ol dispela samting olsem:

- Save moa long hao ol manmeri i usim wara na wanem kain ol marasin nogut i stap insait long wara.
- Painim aut moa long ol wanem hap we marasin nogut inap long em na tu skelim ol rot we bai stretim ol dispela hevi.
- Save moa long ol hevi we marasin nogut i ken kamapim long gro bilong ol gaden na ol bus diawai we ol manmeri i save usim.
- Painim gut ol hevi we marasin nogut i kamapim long ol manmeri na tu save moa long ol sik we i ken kamap.

HAP BILONG OL BIKPELA WARA

Ol strongpela tingting bilong daunim ol hevi na stremol bagarap na luksave long ol rot bilong stremol dispela hevi em olsem:

- Strem gut ol hap bilong Main Pump Station Levee we i ken buruk na tu mekim moa wok painim aut long ol bagarap we i stap long banis bilong wara na save long wanem taim bai ol dispela banis bilong wara i ken buruk olgeta
- Strem gut ol olpela samting olsem haus na biris bilong main we i ken buruk na kamapim hevi long ol manmeri. Ol dispela samting i olsem Momau Wara Biris na Jaba Pump Station.
- Strem gut ol hap we wara i ken kamapim birua o mekim gut ol rot bilong brukim wara long ol hap we i nogat biris. Ol peles wantaim ol dispela hevi em long Tempiri, Gold Miners Camp, Toku, Maton, Pem'ana na Katauli.
- Strem gut ol hap we wara i ken kamapim birua (olsem ol wara i save tait) na sampela taim i save pasim rot bilong ol manmeri long go long hausik na ol narapela hap. Dispela save kamapim hevi long ol kominiti we i stap insait klostu olsem long tupela kilomita abrusim wanelpa biris.
- Strem gut ol hap we wara i save tait na bihainim Kuneka Creek diversion Channel (baret wara) na bagarapim ol gutpela giraun bilong wokim haus na gaden.
- Strem gut ol hap we wara i save tait na pasim rot bilong go long skul na ol narapela hap. Dispela hevi em i save kamap long ol peles olsem long Pemána, Namunsa, Polamato, Kobalu, Kokore na Kuneka.

Ol toktok bilong daunim hevi i kamapim tu tingting bilong wokim moa wok painim aut insait long River System Domein (Hap bilong ol bikpela wara) long ol dispela samting olsem:

- Save moa long hao ol manmeri i save usim wara na wanem ol gaden ol i save kaikai.
- Painim aut moa long ol marasin nogut insait long giraun inap we na skelim ol rot we bai stremol dispela hevi.
- Save moa long taim we wara em i save stap tait na hao dispela i save pasim rot bilong wokabaut, kisim kaikai, gaden na ol bus diwai na tu ples bilong kisim klin wara bilong dring na waswas.
- Save moa long hao marasin nogut wantaim ol en o metal i save bagarapim gro bilong ol gaden na ol bus diwai we ol manmeri i save usim.
- Save moa long raits na pasin kastom bilong ol manmeri na tu ol tumbuna ples we i gat bikpela tambu.
- Save moa long hao ol manmeri i save usim ol samting bilong bus long Konaviru Wetlands.
- Save moa long hao ol manmeri i save usim ol samting long wara insait long Kawerong-Jaba River System.
- Save gut moa long hamas marasin nogut, iron na metal i stap we i ken kamapim hevi long bodi bilong ol manmeri.

HAP BILONG DELTA (HAP WE WARA I BUNGIM NAMBIS)

Ol strongpela tingting bilong daunim ol hevi na stremol bagarap na luksave long ol rot bilong stremol dispela hevi em olsem:

- Strem gut ol bagarap we i save kamap taim wara i tait na pasim rot bilong ol kominiti long go kisim halivim long hausik long ol hap we taim bilong wara tait i save pasim rot bilong wokabaut na tu luksave long ol narapela rot.

Ol toktok bilong daunim hevi i kamapim tu tingting bilong wokim moa wok painim aut insait long Delta Domein (Hap we wara i bungim nambis) long ol dispela samting olsem:

- Save moa long taim we wara em i save stap tait na hao dispela i save pasim rot bilong wokabaut, kisim kaikai, gaden na ol bus diwai na tu ples bilong kisim klin wara bilong dring na waswas.
- Save moa long hao ol marasin nogut, iron na metal long ol pipia bilong gol na kopa i save bagarapim gro bilong ol kaikai na ol bus diwai we ol manmeri i save usim.
- Save moa sapos ol iron o metal i kam long main i bagarapim ol samting long solwara insait long Empress Augusta Bay
- Save moa long raits na pasin tumbuna bilong ol manmeri na tu ol tumbuna ples we i gat bikpela tambu.
- Save gut moa long hamas marasin nogut, iron na metal i stap we i ken kamapim hevi long bodi bilong ol manmeri.

HAP BILONG POT NA TAUN

Ol strongpela tingting bilong daunim ol hevi na stremol bagarap na luksave long rot bilong stremol dispela hevi em olsem:

- Strem gut ol olpela haus (structures), ples we marasin nogut i stap, na ol samting we i ken pairap na kirapim paia, wantaim tu wokim ol haus i gutpla moa na skelim ol gutpla rot long rausim ol marasin nogut long Anewa Bay, Loloho Pot, Rorovana 3 na Camp 11 hap.

Ol toktok bilong daunim hevi i kamapim tu tingting bilong wokim moa wok painim aut insait long Pot na Taun hap long ol dispela samting olsem:

- Painim aut moa long ol marasin nogut wantaim ol iron o metal insait long giraun na wara inap we na skelim ol rot we bai stremol dispela hevi
- Save moa long hao marasin nogut wantaim ol iron o metal i save bagarapim gro bilong ol kaikai na ol bus diwai we ol manmeri i save usim
- Save moa sapos ol marasin nogut wantaim ol iron o metal i bagarapim ol samting long solwara insait long Anewa Bay
- Painim aut moa long ol marasin nogut wantaim ol iron o metal we i ken bagarapim ol manmeri na tu save gut long ol hevi we i ken kamap long bodi bilong ol

BEKIM BILONG KOMINITI LONG OL WOK PAINIM AUT

Long namba ten mun bilong yia 2024, ol kominiti i bin gat bikpela bung long kisim klia toktok long ol wok painim aut we i bin kamap insait lo phase 1, na tu ol pipol i bin givim tingting bilong ol na bekim i go long ol askim bilong dispela wok painim aut i kamap. Ol dispela bikpela bung i bin kamap long 5-pela peles we i isi long ol manmeri long go ol hap we ol i stap klostu long em insait long wanwan hap we wok painim aut i bin kamap long em, na tu olgeta toktok we i bin kamap long ol dispela bikpela bung, i bin kamap long Tok Pisin. I bin gat strongpela laik na bikpela hamamas tru i kam long ol kominiti taim ol i harim ol klia toktok bilong wok painim aut wantem namba bilong ol ples lain husat i bin kamap long ol dispela bikpela bung inap klostu olsem 100 na 400-pela manmeri long wanwan ples (Piksa Plet 10). Dispela ol sotpela toktok i tokaut klia long olgeta bekim toktok i kamap bihainim ol bikpela toktok na tu long ol pepa we ol manmeri i bin pulumapim wantem ol tingting na bekim bilong ol long ol askim.

Antap long olgeta samting we i bin kamap, olgeta bikpela toktok bilong wok painim aut i bin pundaun gut tru long harim bilong olgeta manmeri na olgeta tu i bin tokaut long bikpela hamamas na wok bung na bel isi ol i gat long dispela wokabaut na wok kamap. Plantl long ol manmeri (klostu olsem 90%) husat i bin givim bekim tingting na toktok bilong ol long ol wok kamap, ol i tok olsem ol i bin klia gut tru long olgeta toktok bilong wok i kamap.

Ol tokaut klia bilong ol wok kamap i bin sidaun gut long bel bilong ol manmeri na ol kominiti i bin soim strongpela laik long wok bung wantaim dispela wok painim aut na soim hamamas long ol wok i bin kamap. Long ol sampela manmeri husat i tok ol i no bin klia gut tumas long ol wok kamap, em ol i bin gat planti askim long bagarap bilong marasin nogut long giraun, wara na ol bus na tu bagarap bilong marasin nogut long bodi bilong ol manmeri. Ol i bin gat askim tu sapos wara i gutpela long dring na ol narapla rot we ol manmeri i save usim wara. Ol i bin gat askim tu long bagarap we i kamap long ol samting insait long solwara, olsem sapos em i orait long kaikai pis na ol hevi we i ken kamap long bodi bilong ol.

Ol manmeri bekim toktok na tok:

Taim ol marasin nogut stap yet,bihain long mining activity pinis, wanem ol sampela ol sign mi ken lukim o bagarap long body bilong man/meri o ol kain sickness”

“Mi laikim lo next Phase bai yupla mas testim ol manmeri husait sa stap lo ples insait lo bagarap hap. Environmen blo yumi emi bagarap pinis na mi no laikim ol pikinini blo mipla bai kisim bagarap lo nau na long bihain time tu.”



Piksa Plet 10 Kominiti bung long loro 2



Bihain long ol dispela bung na toktok, ol kominiti i tokaut klia long ol wari bilong ol we i bikpela tru long ol kain olsem, marasin nogut i kamapim bagarap, bagarap i stap long ol wara, lukaut long wara, bagarap i kamap long giraun, wara na ol bus na tu ol hevi we i ken kamap long bodi bilong ol manmeri. Plant i soim tu strongpela tingting na laik bilong stretim ol dispela hevi, kain olsem long rausim ol marasin nogut long graun, wara na bus na bikpela turu em long rausim ol dispela marasin nogut long ol wara bilong dring na waswas.

Long sait bilong ol askim na bekim bilong phase 1, klostu olsem 30% bilong ol manmeri i laikim tru imas gat moa wok painim aut long stretim ol wari na bel hevi bilong ol na tu ol i askim long kisim ol klia tingting long wanem ol rot i stap bilong kisim halivim na stretim ol hevi taim i gat luksave na klia tingting nau long olgeta bagarap i stap pinis.



WANEM OL SAMTING BAI KAMAP BIHAIN TAIM

Ovasait Komiti o ol lain husait i go pas long lukaautim dispela wok painim aut na olgeta ol lain husait i stap long dispela bel hevi toktok bai tingting long ol bekim bilong phase 1 Wok Painim Aut Ripot wantaim bekim bilong ol kominiti long kamap wantaim wanem ol samting bai kamap bihainim olgeta wok kamap insait long Legacy Impact Assessment.