

Overlay: Ifa usun Foforun & Porous a Feito Seni lan

Mapun Washington Environmental Health Disparities (EHD)

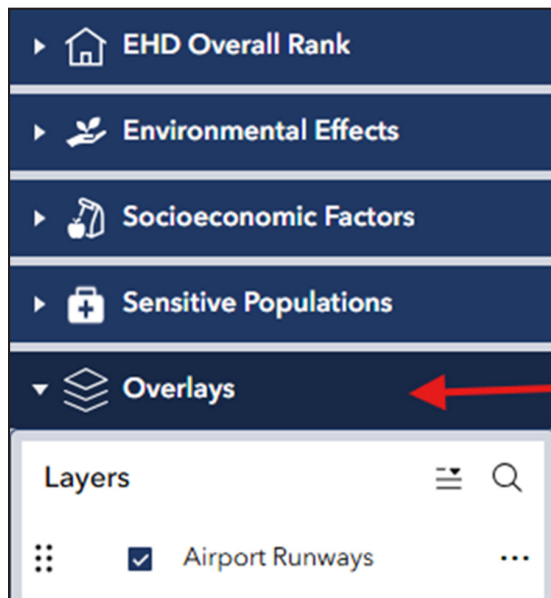


Tichikin Uruon

Ekewe neeni sia kan nonomw non, angang, me kunou a wor angeien won manawach – usun chok pwan ach neenien aramas. Ekei metoch mi asasar fengen me apach fengen. Apeipei, oput aramas, pekin neme-ni aramas, momon pisekin manaw, me ekewe ekoch aweiresin tumwunun manawach a tongeni pirapa ne angawono manawach.

Aewin mochenin ewe mapun Environmental Health Disparities (EHD, Angeien Environment won Manaw-en Aramas) nge an epwe esina ekewe neeni a kon watte angeien environment won manawen aramasen. Ei pisek a ateteni ekei efisefisen afeiengaw non census tract, afatatiw ekewe neeni ra kon weires seni kachun apeipei. Iwe pwan esina ekewe keukun epetin afeiengawen manaw seni ewe census tract – awo-ra eureur mi feito seni porous faniten neeniach, chon fori onuk, sou emwenin mwun, me pwan ekoch aramas.

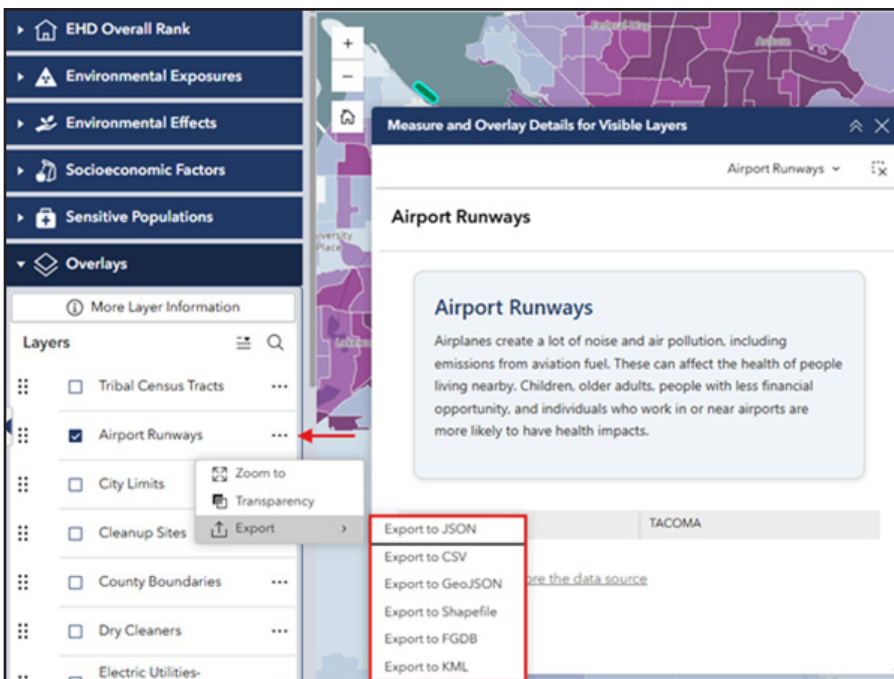
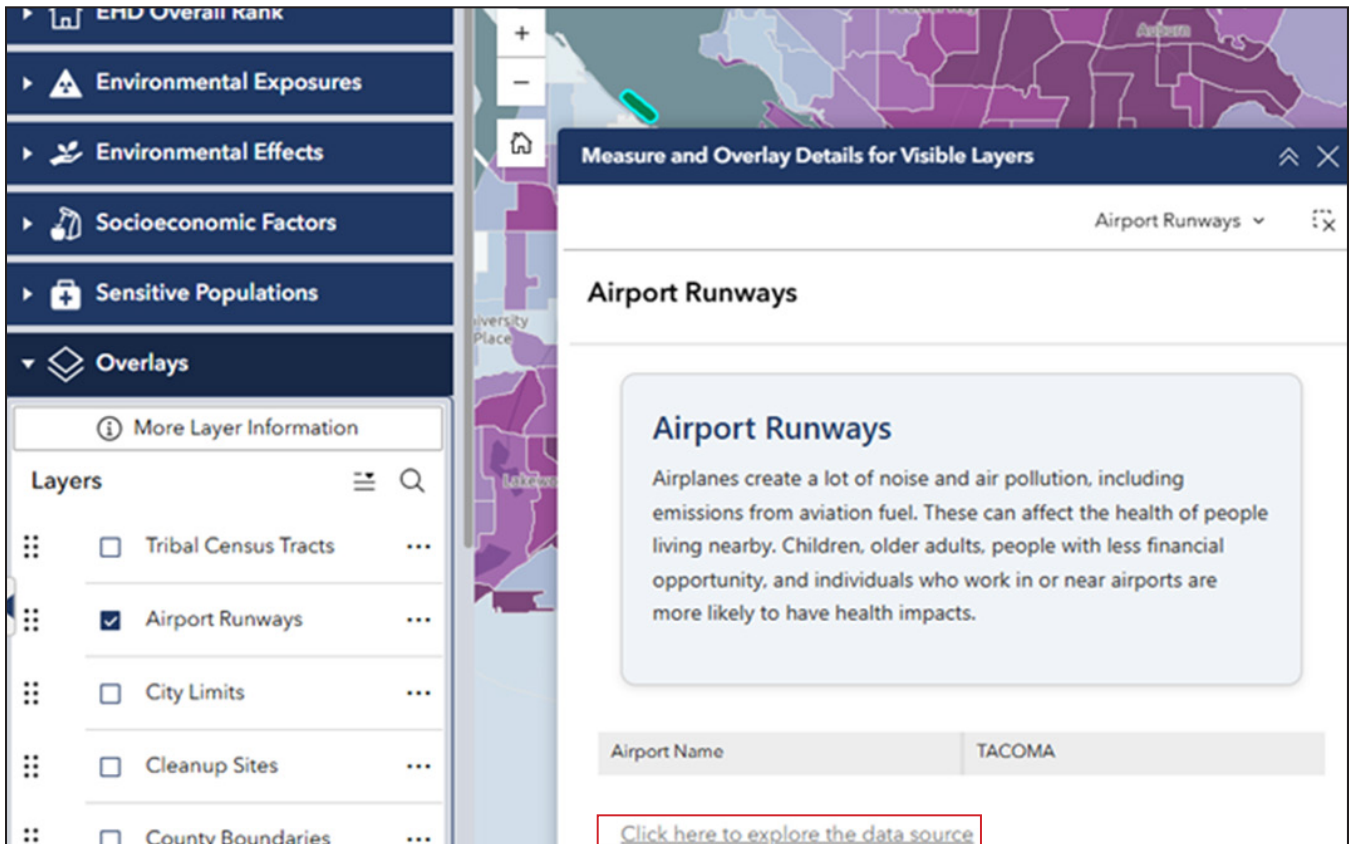
Ekei overlay ra sokono seni ekei keuk. Ekei nge sasaren porous ra tongeni kapach ngeni ewe map me awora sopwosopwen porous me anininin sasingin. Rese anapano an ewe neeni skor ren efisin afeiengaw-en non ewe neeni.



Mi wor nuseni 20 overlay won ewe EHD map. Ekoch ra aia porous mi kawor seni chieiach kewe mwich, wewen pwun ekei minafon porous ra onongonong won inet chiechiach kei ra skechonei ar repwe wawu. Department of Health (DOH, Kinikinin Pekin Safei) a wisen manaichini ekewe ekoch overlay. DOH ra asofo sefanir iteiten fan ew mon 3 ier nupwen a wor och minafon ewe map a publish.

Ika ke mochen aia ekei overlay, fini ena Overlays (Overlay) bar mi araw me non ewe pisek angangen map EHD. Iwe ka jeki ena pwoor arun ena overlay ka mochen katon. Non ei aweve me fan, sia fini Airport Runways (Kasoro Runway).

Ika ke tiki won ena sasingin overlay (awewe ren ena lain mi onuwen fetin mi pwano me fan), epwe pichita sopwosopwen porous.



Ka tongeni downloadini ekana porous non sokopaten nikinik ina kopwe tiki ekana unungat dots arun iten ena overlay (me non ena sasing a nomw me penifefin). En mi pwan tongeni kaieo porousen ekei overlay ika ke tiki “Click here to explore the data source (Tiki ikei kopwe ka-ton a feito me ia ekei porous)”.

Ren aninis ika kapas eis faniten ekei overlay, kose mochen kekeri ewe kumin EHD map ren ehdmap@doh.wa.gov.

Mapun Environmental Health Disparities (EHD) **Overlay: Ifa usun Foforun & Porous a Feito Seni lan**

Awewen Porousen Overlay

Kasoro Runway

Awewen

Ei overlay a pwari meinis in ekewe runway a wor non ekewe kasoro mi suk ngeni sepenin. Ei metoch a aia porous seni ekewe dataset won kasoro seni ewe National Transportation Atlas Database (Ewe Puken Tittisin ren pisekin fetan non fonuen Merika). Ei porousen masowen asepan (geospatial) a feito seni an ewe Facilities, Finance and Analytics Administration (FAA, Ekkewe Nenien Angang, Ofesin Moni, me Mwichen Anapanapen Tittis) Natioal Airspace System Resource Aeronautical Data (Ekkewe pisekin angang non ewe Sistemin Asepan non ewe Mwun).

Porous a Feito Seni

[Kasoro Runway, U.S. Department of Transportation Statistics \(Ewe U.S. Kinikinin Angang ren Nampan Pisekin Sais\)](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Ekkewe Kinikinin Telinimw

Awewen

Ei overlay a pwari ekewe akinikin seni ekewe incorporated munisipon non Washington state. Ewe Washington State of Finiancial Management (Washington State Ofesin Angangen Moni) a rekortini ekei porous.

Porous a Feito Seni

[Ekkewe Kinikinin Telinimw, Washington State Department of Transportation \(WSDOT, Ewe Kinikinin Angangen Mokutukut non ewe Muun Washington\) Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Ekkewe nenien alimelim

Awewen

Ei overlay a pwari ekewe neeni ika fonu a fis enimenimen enioput won meren ewe Department of Ecology (Kinikinin Ekology). Ekei projek minen enimenim mi sokopat seni kukun tori ekewe mi fifis (awewe ren enimenim murin och punon tank me fanupwun) ngeni ew watten enimenim mi pesei aian ekewe sokopaten pisekin enimenim.

Porous a Feito Seni

[Ekkewe nenien alimelim, Department of Ecology Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Mapun Environmental Health Disparities (EHD) **Overlay: Ifa usun Foforun & Porous a Feito Seni lan**

Ekkewe Kinikinin Kaun

Awewen

Ei overlay a pwari ekewe akinikinin boundary me non Washington usun mi awewena me non ewe 2020 US Census (2020 US Tupwu). Chechemeni pwun ei sasar ese pwan pwarata ekewe kinikinin fonuwen tribal.

Porous a Feito Seni

[Ekkewe Kinikinin Kaun, Office of Financial Management](#)

Saingon Asofo Sefan

Onongonong won aworen aninis

Ekkewe chon alimelima

Awewen

Ei overlay a pwari neenien ekewe chon alimelima me nomw me pwan ikenai me non Washington state. Ekei neeni ra ouchea ngeni kich ach sipwe trackini pwun ekewe pisekin enimenim ra nounou non dry cleaning mi okusawu ekewe sefei mi afeiengaw me ekewe organic compound (VOC) non ekewe neeni. VOC ikei ekewe gas a feito seni ekoch pisek ika lollo. Awewe ren VOC mei pachonong peinit, pisekin enimenim, me pisekin forun imw.

Porous a Feito Seni

[Ekkewe chon alimelima, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Septemper 2025

Ekkewe pisekin angang-Ewe chon awora moni

Awewen

Ei overlay a pwari ekewe akinikinin meinsin ekewe kompanien utilities me non Washington state.

Tichikin Uruon

Ei overlay a anisi ekewe utilities ar repwe esina ekewe neeni ir mi anisi ika mi watte angeien ekei metoch me won. Ei porous a anisi oponuwetan wiiser me fan ewe onukun 2019 Clean Energy Transformation Act (CETA, Annuk ren Siwin ngeni pochokunen nimenimoch). Ren sopwosopwen porousen wiisen DOH me non CETA, [fisit ewe CETA webpaich](#).

Porous a Feito Seni

[Ekkewe pisekin angang-Ewe chon awora moni, Bonneville Power Administration Open Geospatial Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Mapun Environmental Health Disparities (EHD) **Overlay: Ifa usun Foforun & Porous a Feito Seni lan**

Ekkewe pisekin angang-Ekkewe aramas

Awewen

Ei overlay a pwari akinikinin meininis ekewe publik kompanien utilities ren fifi me non Washington state.

Tichikin Uruon

Ei overlay a anisi ekewe utilities ar repwe esina ekewe neeni ir mi anisi ika mi watte angeien ekei metoch me won. Ei porous a anisi oponuwetan wiiser me fan ewe onukun 2019 Clean Energy Transformation Act (CETA) Ren sopwosopwen porousen wiisen DOH me non CETA, [fisit ewe CETA webpaich](#).

Porous a Feito Seni

[Ekkewe pisekin angang-Ekkewe aramas, Bonneville Power Administration Open Geospatial Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Ekkewe Fonuen Orchard me lom

Awewen

Ei overlay a pwari uruon ekewe akinikinin orchard me non ekewe 5 counties onongonong won ekewe sasingin nomw mi fich seni fan lang. Ekei counties a pachonong Benton, Chelan, Douglas, Klickitat, Okanogan, me Yakima.

Porous a Feito Seni

[Ekkewe Fonuen Orchard me lom, Department of Ecology Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Ese wor ootooten asofo sefan. lei chok porous uruon nomw ese sisiwin porousen neeni.

Ekkewe nenien Waste mi efeiengaw

Awewen

Ei overlay a pwari ekewe neeni mi forata ika wawu pisekin enimengaw mi afeiengaw usun mi awewena meren ewe Department of Ecology. Ekewe neeni pusin ra pwan esina ekoch pwan neeni. Pisekin nimen-gaw mi afeiengaw a wor non sokopaten nikinik seni ekewe a feito seni ekewe industrial manufacture, awewe ren llolo, fougoun kapich, gas, ika kiris. Ekei metoch a men watte angeier won chon neeniach ir mi arap ngeni.

Porous a Feito Seni

[Ekkewe nenien Waste mi efeiengaw, Department of Ecology Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Septemper 2025

Mapun Environmental Health Disparities (EHD) **Overlay: Ifa usun Foforon & Porous a Feito Seni lan**

Ekkewe uruwo mi fis

Awewen

Ei overlay a pwari ewe Homeowners Loan Corporation (HOLC) pekin ranking non ekewe neeni, fan ekoch a iteni pwun redlining. Ekewe krait a tetenuno seni A tri D iwe mi pwan wor onuwer:

- **A (Ochunon – Onuwen Fetin):** Napengenj me non ekewe neenien imwer chon upper-middle-class aramas mi pwech. Ekewe imw ra nomw non kinikinin osukosuk seni bank me ekoch chon angangen mortgage ra awewena non kinikinin “ethically homogeneous.”
- **B (Mi Chok Pwan Murino - Araw):** Ekei neeni napengeni imwen chon aramas mi pwech esapw ir chon wasena a nomw non kinikinin mi murino ngeni chon awora monien mortgage.
- **C (Kikisino - Ram):** Ekewe neeni mi masow ren napengeni chon angang me ekewe imw minen nomw me utilities mi keuk. Chon non ekei neeni napengeni ir aewin ika oruwen generation ren chon feito seni fonuwen Euorope.
- **D (Afeingaw - Par):** Ekei neeni napengeni ra asain fan onongonong won aramasen chon ew fonu. Ekei neeni napemgeni ra masow ren ekewe mwich mi kukun nunur iwe ra pwan arap ngeni ekewe imwen industrial me imwen nomw.

Ekei overlay a wor faniten Spokane, Seattle, me Tacoma. Ikei ekewe chok city non Washington ie a wor HOLC ranking me non.

Porous a Feito Seni

[Ekkewe uruwo mi fis, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saigon Asofo Sefan

Septemper 2025 (Ese wor ootoen asofo sefan. lei chok porous uruon nomw ese sisiwin porousen neeni.)

Ekkewe Fos Ra Kapas Non Imw

Awewen

Ei overlay a pwari ekewe fosun fonu chon sukoonen Pre-K tori Krait 12 non Washington publik sukoon ra kan fofos non me neimw. Ei a onongonong won ewe 2024-2025 sukoon ier akinikinin distrik non ewe [Office of Superintendent of Public Instruction \(OSPI, Ofesin Meilapen Pekin Sukkul\) Direktorin Sukoon Distrik](#). Mei pachonong meinisin ekewe 295 publik sukoon distrik, iwe pwan ekewe charter distrik me Tribal compact.

Porous a Feito Seni

[Ekkewe Fos Ra Kapas Non Imw, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saigon Asofo Sefan

Septemper 2025

Ekkewe Kinikinin Annuk

Awewen

Ei overlay a pwari ekewe legislative distrik me non Washington state usun mi awewena fan Revised Code of Washington (RCW, Asofo Sefanin ewe Code an Washington) 44.05.

Porous a Feito Seni

[Ekkewe Kinikinin Annuk, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saigon Asofo Sefan

Onongonong won aworen aninis

[Mapun Environmental Health Disparities \(EHD\) Overlay: Ifa usun Foforun & Porous a Feito Seni lan](#)

Ekkewe neenien tumun semirit mei wor neur license

Awewen

Ei overlay a pwari meinisin ekewe neenien tumwunun semirit mi laisen meren ewe Department of Children, Youth, and Families (DCYF, Ewe Kinikinin Angang ren Ekkewe Semirit, Ofongas, me Mwichen Famini).

Porous a Feito Seni

[Ekkewe neenien tumun semirit mei wor neur license, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Septemper 2025

Ekkewe Imwen Tumun mi Nap

Awewen

Ei overlay a pwari ekewe neeni a wor ie ekewe imwen nursing non fansoun nakatam mi laisen meren ewe Department of Social and Health Services (Ewe Kinikinin Angang ren Aninisin Mwichefen me Peirasen Inis). Ei mi pachonong ekewe neenien tumwunun ekewe aramas mi wor terin non ar ekiek.

Porous a Feito Seni

[Ekkewe Imwen Tumun mi Nap, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Tumwunun Fansoun Nakatam – Tumwunun Neimw

Awewen

Ei overlay a pwari ekewe neenien tumwunun fansoun nakatam mi laisen meren ewe Department of Social and Health Services. Ei mi pachonong ekewe imwen tumwunun aramas, ekewe neenien anisi chon manaw, me ekewe neenien ouchean aninis.

Porous a Feito Seni

[Tumwunun Fansoun Nakatam – Tumwunun Neimw, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Ewe Pekin Ozone Iteiten Ier

Awewen

Ei overlay a tupwuni 5 km grid cell ren aneian ewe 4th watten aneian ozone iteiten ier. Ei keuk a euku non parts per billion (ppb, kinikinin iteiten billion)

Porous a Feito Seni

[Ewe Pekin Ozone Iteiten Ier, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Septemper 2025

Mapun Environmental Health Disparities (EHD) **Overlay: Ifa usun Foforon & Porous a Feito Seni lan**

PM2.5 Ewe ukukun chochon non ew ier

Awewen

Ei overlay a pwari ewe 5 km grid cell ren aneian ewe PM2.5 iteiten ier ($\mu\text{g}/\text{m}^3$), ese pachonong ekewe ran mi aneia seni fisefisen punopunen af.

Porous a Feito Seni

[PM2.5 Ewe ukukun chochon non ew ier, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Septemper 2025

PM2.5 Ewe ukukun chochon non ew ier

Awewen

Ei overlay a pwari ewe 5 km grid cell ren aneian ewe 24 awa PM2.5 non ($\mu\text{g}/\text{m}^3$), apach ekewe ran mi aneia seni fisefisen punopunen af.

Porous a Feito Seni

[PM2.5 Ewe ukukun chochon non ew ier, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Septemper 2025

Ekkewe aanen taraku

Awewen

Ei overlay a pwari ewe ekkewe Lapen Aanun Res non Washington State.

Porous a Feito Seni

[Ekkewe aanen taraku, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Ekkewe nenien Superfund (moni tonong)

Awewen

Ei overlay a esina ekewe neenien superfund (National List minen Priorities). Ekkewe nenien Superfund iei ekewe neeni a pin koturuno nimengaw me afeiengaw non. Napengeni ekei neeni a pachonong fonuwen mining, ekewe neenien manufacturing., me neenien kapich. A wor angangen enimenim a poputa seni an EPA ewe Superfund (moni tonong) proklam.

Porous a Feito Seni

[Ekkewe nenien Superfund \(moni tonong\), Department of Ecology Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Mapun Environmental Health Disparities (EHD) **Overlay: Ifa usun Foforun & Porous a Feito Seni lan**

Ewe nenien atake non Tacoma

Awewen

Ei overlay a pwari ekewe neeni a ngawono meren ewe nenien atake non Tacoma. Non ipuku ier, ewe Asarco Company a fori ew copper smelter non Tacoma. Ekewe apeipein non asepan a paras fein non 1,000 square mile seni ewe Puget Sound basin. Arsenic, lead, me ekocjh mecha mi chou mi chuen wor non ewe pwun. Sopwosopwen porous faniten Tacoma mi wor non ewe Tacoma Maps Portal (nenien Map non Tacoma).

Porous a Feito Seni

[Ewe nenien atake non Tacoma, Washington Department of Ecology](#) (non Fosun Merika)

Saigon Asofo Sefan

Onongonong won aworen aninis

Imwen chon Angang non Fansoun Mwochomwoch

Awewen

Ei overlay a pwari ekewe neeni a wor ekewe imwen chon angangen tempereri mi nomw fan nemenemen ewe Department of Health.

Porous a Feito Seni

[Imwen chon Angang non Fansoun Mwochomwoch, Washington State Geospatial Open Data Portal](#) (non Fosun Merika)

Saigon Asofo Sefan

Onongonong won aworen aninis

Ena pekiin aninis taraku Ameen ekurang

Awewen

Ei overlay a pwari ewe lefelin okurang mi popu seni transportason seni 2020. Ei a apachanong al, freight me passenger trail, me neenien sepenin.

Porous a Feito Seni

[Ena pekiin aninis taraku Ameen ekurang, Bureau of Transportation Statistics \(Ewe Kinikinin Angang ren Nampan Pisekin Sais\)](#) (non Fosun Merika)

Saigon Asofo Sefan

Onongonong won aworen aninis

Ekkewe Taropwen Census ren ekkewe einang

Awewen

Ei overlay a pwari ewe census tract seni 2020. A masow ren ekewe fonuwen Tribal usun mi awewena meren ewe sasaren akinikinin fonuwen Tribal.

Porous a Feito Seni

[Ekkewe Kinikinin Fonuen Ekkewe Einang, Department of Ecology Geospatial Open Data Portal](#) (non Fosun Merika)
[Census Geographic Files, Office of Financial Management](#)

Saigon Asofo Sefan

Ika epwe ouchea

Mapun Environmental Health Disparities (EHD) **Overlay: Ifa usun Foforun & Porous a Feito Seni lan**

Ekkewe angangen Tumunun pekin Safei

Awewen

Ei overlay a pwari ekewe neenien tumwunun manaw won fonuwen Tribal. Ei a pachonong ekewe pioing, clinic ren pekin ngii, neenien pekin tumwunun mokur, me ekewe clinic ren tumwunun manaw.

Porous a Feito Seni

[Ekkewe neenien tumunun pekin safei, Indian Health Services \(Ofesin Safei ren ekkewe Ainang non Merika\)](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Ekkewe Kinikinin Fonuen Ekkewe Einang

Awewen

Ei overlay a pwari ekewe 3 sopwun won fonuwen Tribal:

- **Ekkewe chon fiti:** Ekewe fonu mi esisina seni mwun (U.S Bureau of Indian Affairs [Kinikinin ewe annuk mi tumunu ekkewe chon Merika])
- **Ekkewe fonu mi osukosuk:** Ekewe neeni mi esisina meren ekoch mwun pwun sopwun ewe reservason, nge ewe title mi osukosuk meren ekoch mwich (U.S Government [Mwun U.S])
- **Ekkewe fonuen einang rese mumuta:** Ekewe fonu a kapach ngeni ika nomw fan ewe trust an ewe Tribal ren ar aia me nukun ewe kinikinin reservason (sasaren apachen county)

Porous a Feito Seni

[Ekkewe Kinikinin Fonuen Ekkewe Einang, Department of Ecology Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Ekkewe Kinikinin Water

Awewen

Ekkewe Kinikinin Water ikei ekewe fonu a wor watten pungun ran (ika konik) mi pupuno non ekei neeni, awewe ren ew river, punon konik, ika lake. Ei overlay a pwari ekewe ekkewe kinikinin water non Washington state.

Porous a Feito Seni

[Ekkewe Kinikinin Water, Department of Ecology Geospatial Open Data Portal](#) (non Fosun Merika)

Saingon Asofo Sefan

Onongonong won aworen aninis

Ren Sopusopun Poraus

Ren omw kopwe sinei usun ewe angangen awenewen ngeni ewe EHD Map me ekkewe napanap mei fatafatoch, kose mochen kopwe nengeni ewe [Repotun Map EHD](#) (non Fosun Merika).

Kori Kich

Ren omw kapas eis ika pwan ekkoch poraus, kopwe email ngeni EHDMap@doh.wa.gov.



DOH 334-528 February 2026 CS Chuukese

Ika ke mochen kopwe nounou ei taropwe non pwan ew soddun nikinikin, kopwe kokori 1-800-525-0127. Ren kastomer mi pung seninger ika weires ar rongorong porous, kose mochen kori 711 (Washington Relay) ika emailini doh.information@doh.wa.gov.