

**sohkisiwin ekwa sohkastwâwin ohci iyiniw
iskwewak ka-tâwiskâkik aspihtaskewin
meskocipayiwin: pimâtisiwin
mistihkasikewina ekwa esa kistikâna**

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iyiniw iskwewak mamawiyatowin ohci kânata



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kîkwaya kâ-masinahamihk

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wihtamâkewin iyiniw iskwewak e-mâtinamâkecik kiskeyihtamowin ekwa sipihkisiwin

asipihtaskewin meskocipayin ayiwâk meskocipitam askiya, nipiya, ekwa kâ-wîkikh, môsihtâniwan nânapô māmawinitowinihk ekwa kisci ayâwin ka-otahcihohk pimâtisiwinihk. iyiniw iskwewak kahkiyaw kahesi pîtos iyiniwicik peyakwayak pakamiskâtowina kâ-ohcipayik ohci mistahi cîki e-isi-wâhkohtahkik askiy ekwa nipiya kesi-wâhkohtahkik askiy, e-kistikecik iyinto mîciwina, e-nâkateyihtahkik maskihkiya, ekwa nânapâcihtâcik isihtwâwin ayâwina. ayiwâk isiwepana, kâ-pastek, kihcikamik pikwapotek, ekwa kotaka kikâwînw askiy wanâcihcikemakan ohci ôhi kâwî-itôtamihk, pakamiskam pimâcihowina, ka-kâtinamihk mîciwin, manâcihcikewin sohkastâwin, ekwa pimâtisiwin itôtamowina. ôhi mâkohikowina pakamiskam miyaw, môsihowin, ahcahk, ekwa māmawinitowin miyomahcihowin, âta e-ahkami-kwayask ispayicikecik nâkateyimowewin ohci māmawinitowin pisikeyimiwewin ekwa e-nânapacihtâcik otaskîwâwa.

kîyâm âta ôhi mawinehîwina, iyiniw iskwewak kanaweyihtamwak ekwa âsônamâkewak kiskeyihtamowin ekwa itôtamowina ka-sihtoskahk askiy miyomahcihowin ekwa māmawinitowin sipihkisiwin. onâkacihtwâwiniwâw anita kâwîkikh wâhkohtowin ekwa kâwîtâpisômakahki kisci meskocipayanwa, asci isiwepana, peciciwana, iskotew ekwa tipiskâw pîsim ka-meskocipayit, mekiw kayâs isihcikewina kapîkiskwâtamihk aspihtaskewin meskocipayin ekwa ka-nâkateyihtamihk nânapô askiy ekwa māmawinitowin miyomahcihowin. ka-mâtinamâkehk ôhi nisitohtamowina ekwa itôtamowina, anima iyiniw iskwewak mamawiyatowin ohci kanata (NWAC) kî-osihtâwak ôma atoskâcikan pahki ohci [Engaging Indigenous People in Climate Change Policy](#) (EIPCCP) atoskâcikan e-tipahahkik Environment and Climate Change Canada)ECCC).

nîso metoni kâ-nitaweyihtamihk aspihtaskewin-itowa pakamiskâkewina ohci iyiniwak misiwihthe kânate anihi tahki ayiwâk sohki misi-wayatek meskociwepanwa ekwa ohpipayik ekwa kîsopwew kihcikamikwa. ôma atoskâcikan māmiskôtam nîso pimâtisiwin itôtamowina, *miyo iskotew* (pimâtisiwin mistihkasikewina) ekwa *Loxiwe* (esa kistikâna) e-nawasônamihk ohci kwayaskweyihcikewin ohci ôhi mawinehotowina. kâ-pastek mâkôtâw sakâwa ekwa maskosiya, ispî e-ohpipayiki kihcikamiya ekwa e-kîsôwâki kihcikamikwa nipiya ka-panâcihtâcik kihcikamik sionesâkahikana. ôhi itôtamowina wâpahcikâtew tân'si iyiniw iskwewak okiskeyihtamowiniwâw e-ohcipayik ayâwin-tasi, itôtamowina e-itohtemakahki paminikewina e-kanaweyihtahkik askiy ka-pimâtahki kîkwaya, mînwastâcik wîkiwina, ekwa ka-sohkastâcik mîciwin paminiwewina.

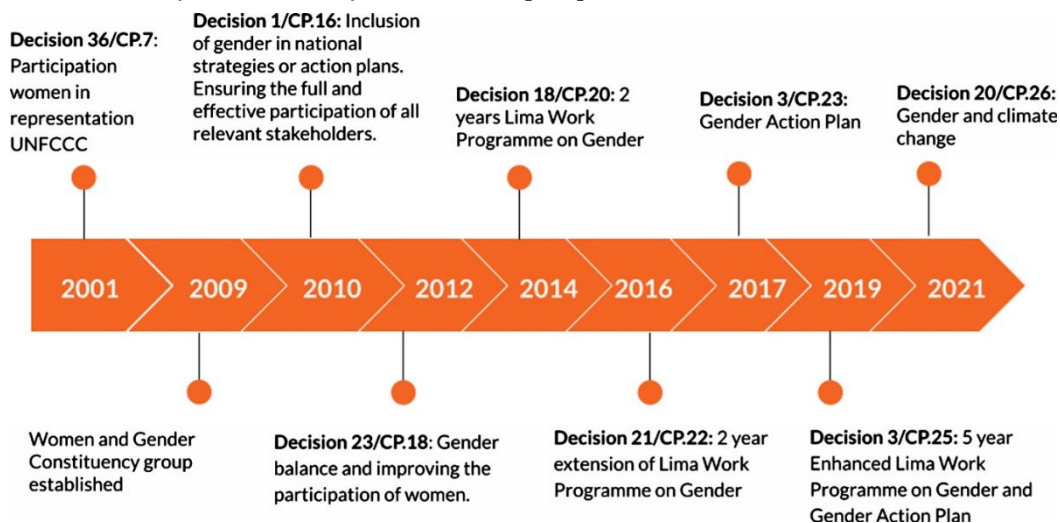
ôma isihcikewin wiya ohci iyiniw iskwewak kahkiyaw pâpîtos ka-pakoseyimocik ka-âpacihtât askiy-ekwa nipiya-itowa itôtamowina, ekwa ohci awiyak kâ-nitohtahk ka-nisitohtahk iyiniw e-âpatahki ka-nâkateyihtamihk kâ-wîkikh. ohci âcimowina ekwa kâ-itâhkamika kiskinohamâkewina ôta, âyamihcikewak kâkî-wâpahtamwak tân'si iyiniw iskwewak ispihteyihtâkosiwak ka-nâkateyihtahkik kâwîkikh, ka-nâkateyihtahk māmawinitowin sipihkisiwin, ekwa ka-naskonahk aspihtaskewin meskocipayin nânapô e-miyopayiki ekwa e-ohcîmakahki ohci pimâtisiwin ekwa kayâs isihtwâwin.

nâpew ekwa iskwew ekwa asipihtaskewin: meskanâsis isi mînopitamâkewin

asipihtaskewin meskocipayin ayiwâk sohki ohci kâ-misi-pastek, pîtos nâkohtâw kihcikamikwa, ekwa ayiman ohci kâ-wîkihk, pîtos pakamiskam mamisihk kahkiyaw awiyak, kiskeyihtamowin, ekwa e-isi-wâhkohtamihk askiy. iskwewak ohci, ôhi kisipayicikewina môsihtâniwiw tipiyawe, ohcipayin ekota e-isi-kaskihohk ka-naskomow ekwa nakâskamihk. sohki atoskâtamowin ka-nistawinamihk ahpô sihtoskawihcik iskwewak peyakwan isi e-kî-itôtamihk misiwihte ispî 1970s, ispî ka-mâcipayiki ka-nîpawistamawihcik iskwew pakitinikawisowina ka-nâkateyihkamihk e-nitaweyicikâtehk kwayaskosowin ekwa takwascikewin [1].

kâ-nistawinamihk nâpew ahpô iskwew anita asipihtaskewin wiyasiwewina miskopitam piyisk mihcetis e-ispiehteyihtahkwâki ispayihowina. ispî 1970s, e-pîkiskwestamawihcik iskwewak pakitinikawisowina kî-kaskihowak misiwihte mistahi iteyihtamowin. piyisk 1992, askiy nîkâniwak kî-nakiskâtowak Earth Summit ka-mâmiskohtahkik asipihtaskewin meskocipayin, ekwa âta iskwewak opehtâkosiwin ekwa nâpew ahpô iskwew nâkateyihcikewina namoya ayâwa. mwestas nisto askiy, 1995 Beijing Platform for Action kî-ispahâkemowak anima iskwew mamâhtâwitwâwin ekwa peyakwan isi e-nitaweyicikâtehk ohci nâkateyicikewin osihcikewin. ekospî, kânata kihci-okimânâhk kî-pimitisahamwak Gender-Based Analysis Plus (GBA+), atoskâcikan ka-wîcihikohk ka-nâkateyimihcik nâpew ekwa iskwe pakamiskâkewina ispî kâ-mînonamihk wiyasiwewina [1,2].

ispî 2001, UNFCCC osihtâwak Women and Gender Constituency, ayiwâk pimitisahikewin, nâpew ekwa iskwew-wihtamâkewin itôtamowin ohci asipihtaskewin wiyasiwewina. ayiwâk ekwa nîso mitanawa, yahkotewin ahkami-ispayin: e-sihkimihcik iskwewak ka-wîcihiwecik (2009), e-akimihcik nâpew ekwa iskwew anita asipihtaskewin paminikewinihk (2010), ayiwâk kwayask ohci nâpew ekwa iskwew tipahwân (2012), ekwa ka-sipwepitamihk Lima Work Programme on Gender (2014) ôma kî-pimitisahamihk ohci Gender Action Plan ispî 2017, e-yahkastahk 2019 ekwa 2021 (wâpahta Figure 1, e-otinamihk ohci Maguire et al., 2023) ispî 2024, Lima Work Programme kî-kihtwâ, sihcikâtew kotak mitanaw askiya, kihtwâm pasikôstamihk kinwes-kisipipayik misiwihte asotamâkewin ka-kikinikâtehk nâpew ekwa iskwew nâkateyicikewina ohci asipihtaskewin paminikewin[1,3].



kinwâpahcikan 1: The History of Gender in the United Nations Framework Convention on Climate Change [1]

âta asci ohci misiwihte cimacikana, iyiniw iskwewak piskiht ahâwak ohci asipihtaskewin wiyasiwewina. kâ-mekwâ mosihtâcik iskwewak namoya peyakwan pakamiskâkewina ohci asipihtaskewin meskocipayin, iyiniw iskwewak ispayihikwak ohci kâ-wâhkohtahkik askiy, nipi ekwa ka-wîkihk. opimâtisiwiniwâw ekwa opimâcihowiniwâwa, iyinito mîciwina, maskihkiya, ekwa pimâtisiwin ayâwina ayâwa cîki e-wâhkohtamik ka-wîkihk tasî kâ-piskiht ahihcik ohci isihcikewin-kâ-osihtâhk namoya tepiyâ âhkami pîtos paminihcik ka-osihtâcik mônîyâw paminiwewin, mâka ati nesowâw asipihtaskewin ekâ e-wâpahtamihk kiskeyihtamowin ekwa ispayiko ohci aniki ekota kâ-wâhkohtâhkik, ekwa kô-ispayikocik, ka-wîkik meskocipayiwiñ [4,5].

iyiniw iskwewak e-nîkânihcik ohci kiskeyihtamowin

iskwewak misiwihte askiy namoya kwayask e-kanawâpamihcik e-pakamiskâkocik asipihtaskewin meskocipayin. ispî 2022, UN oyakihcikewak 80% ayisiyiniwak ohpime ayâwak ohci asipihtaskewin-itowa mâyipayiwina ohci iskwewak, kahkiyipa e-ispayikocik ayiwâk kakhcisâyâwin ispî iskopehk, misi paskitewa, ekwa pâstewaskiy. e-wanihtâhk wâskahikana ekwa pimâtisiwina, asime ka-âpacihtâhk e-kanâtahk nipi ekwa miyomahcihowin, ekwa ayiwâk miyonohk koteyihtamihk ayiwâk isâyâwa ispî âstamipayiki, ekwa iskwewak ahkameyihtamwak mistahi e-nâkateyimiwecik ekwa wîkiwin nâkateyicikewina. ôhi nâpew ekwa iskwew sihcisâyâwina mînonam tân'si iskwew ispayiwak ohci asipihtaskewin meskocipayin ekwa ka-kaskihocik ka-naskomocik [5,6].

ohci iyiniw iskwewak, ôhi mâyeyihtamowina ayiwâk sôhki-ayâwâ. e-mekwâ -tawiskâkocik mihcet peyakwan nâpew ekwa iskwew metoni kehcinâ pakamiskâtowina tâpiskoc kotakak iskwewak, iyiniw iskwewak ispayikowak asipihtaskewin meskocipayin isi metoni e-wâhkohtahaskiy, nipi, ekwa pimâtisiwin e-ayâhki nâkateyicikewina. ka-âpacihtâcik iyinito mîciwina, maskihkiya, kistikew ayâwina, isihtwâwinihk, ekwa māmawinitowin manâcihcikwina e-mâkowihikot kâ-wîkihk kâ-meskocipayik. paminiwewin wiyasiwewina isko ka-âpacihtâcik ka-itasiwewak tasi ayâwina, ka-yahkipayiki kakescisâyâwina ekwa ka-nakinamihk ka-kaskihocik ka-osihtâcik kâ-wîkihk wiyasiwewina e-pakamiskâkok opimâtisiwiniwâwa ekwa kiskeyihtamowiniwâwa [4,5].

kîyâm âta ôhi mâyitôtamowina, iyiniw iskwewak ahkami wâpahtahki asipihtaskewin sipihkisiwin kocîwina ka-sohkâki. onakacîhtâwiniwâw ayâtaskisiw anita kâ-wîkihk wâhkohtowin ekwa ka-nisitohtamihk e-wihtâpisômakahk kikwaya ka-misiwanacikeyimakahk, kâ-isiwepahk meskocipayina, tipiskâw pîsim meskocipayin, kiweciwana, iskotew ispayinwa, ekwa ayiwâk. ôma kiskeyihtamowin pakitinikiwak kahatoskatahkik asipihtaskewin mostacipayinwa esi yawinohk, pimatisiwin itotamihk, ekwa kiskeyihtamihk ka-sohkastahk mamawinitowin miyomahcihowin [7,8].

nitonikewina wâpahcikâtew ispî iskwewak kâkikipayicik anita asipihtaskewin meskocipayin, kâ-itateyihkamihk ayiwâk kwayask: apacihcikan kwayask paminikâtewa, mawacihcikewin kocîwina sohkâstâwa, kâsihkipayik âhcopayinwa, ekwa māmawinitowina nawâc waweyîstamwak mâyipayiwina. iyiniw iskwewak okiskinohtahiwewin ayiwâk wâhyaw, e-ohcîmakahki pihci naway kiskeyihtamowin ka-mînosihthâk kâ-wîkihk, ka-kanaweyihtahk askiy pimatisiwin, ekwa ka-maskawisihtâhk iyinito mîciwin misiwewina. okiyikawepayiwini namoya nitaweyihtâkwan, mâka asci e-maskawisihtâhk asipihtaskewin meskocipayin ekota tasi, misiweskamik ekwa misiwihte [4,7,8].

mihcet iyiniw pimâtisiwina, iskwewak paminamwak nâkateyihtamowewina itôtamowin tipahwân, wîcihtâsowin, ekwa kâwahkohtamihk nânapô askiy ekwa mâmawinitowin. ka-tastawahîhcik iyiniw iskwewak anita asipihtaskewinih kîseyihtamowin kehcinâ wiyasiwewina, tipahikewina, ekwa nitonamowina ka-wâpahcikâtew tâpwe nitaweyihtamowina ekwa sohkisiwina ohci peyakoskânewsiwak. ispî owâpahtamowiniwâw kiskinohtitâw asipihtaskewin tôtamohikewina nîkân ohci, naskomona ayiwâk peyakwan paminikekwin, ayiwâk kisipayihcikewin, ekwa ayiwâk ekwayaskastahk anita itamihk askiy wâhkohtamowina [4,8].

ôhi wâhkohtowina wâpahcikâtewa anita pimâtisiwin itôtamowina kâ-astehki ôta atoskâcikanihk. *miyo iskotew*, kiskinohtahiwewin ohci kiskeyihtamowiniwâw iyiniw iskwewak iskotew kanaweyicikewak tipahwân ewahkohtahkik sakawa ekwa maskosiyahk. *Loxiwe*, kwayask ispayicikew kasispohtahewina ohci iyiniw iskwewak sisone Pacific kihcikamik, ka-pimâcihtât wâsakâm sâkahikanih ekwa nâkateyihtam nîpiy askiya. nânapô itôtamowina wâpahcikâtew iyiniw iskwewak kiskiyihtamowin misiwewina naskohtamwak ohci asipihtaskewin pakamiskâkewina asci kihtwâm kôsihtâhk askiya ekwa nîpiya kosihtamâsocik.

kâwapahtamihk pahki ôta masinahikanih, misiwihte nâpew ekwa iskwew asipihtaskewina cimacikana, ohci 1992 Earth Summit isko UNFCCC Gender Action Plans, kî-osihtâwak ita ka-tôtamihk ohci nâpew ekwa iskwew ka-nihtânâkatohket wiyasiwewina ka-pihtokwatâhk kiyikawepayiwina anima moy kwayask kâ-tôtamihk, e-itotamihk misiwihte asotamâwina tâtâpwe pimâtisiwina, pimâtisiwin kiskinohamâkewina, ekwa asipihtaskewin miskweyihtamowina iyiniw iskwewak e-tahkonahkik ispî ohci kayâs aniskotâpânak e-nâkateyihtahkik ôhi askiya. ôma kehcinâhowin anima asipihtaskewin meskocipayin namoya paminikewin kwayask mâka askîhk atâmihk ohci, mâmawinitowin-paminahkik, ekwa e-nîpawistamihk.

e-meskocipayiki askiya: asipihtaskewin, kâ-pastehki, ekwa kihcikamik ayimihowina

ispî ohci Industrial Era, ayisiyiniw itâkamikisowina yahkemowa kâ-kîstehki pimiya, yehewin pimiya kâ-otinahik kîsosiwin anita yehewin wâsakâm ekwa e-cacastapipayik askiy ka-kîsôwâhki. ewako ohci yahkemopayinwa tân'si isikîsikâk, ekwa maskwamiy ati tîhkisow, kihcikamikwa iskopewa, ekwa kihcikamiya kîsowâwa ekwa ayiwâk âhkwâpahtewa. ayiwâk mâyikîsikâwa, iskopewa, pâstewaskiya, ekwa tahki ayiwâk sohki kâ-pastehki ayiwâk itakonwa [5].

pimâcihowina kâkike meskocipayin kesi meskocipayik askiy, mâka nanihkâtisiwina askiy isiwepan kîsopayinwa metoni osâm mistahi ispayin. askiy pimâtisiwn, e-itwehk pâpîtos itowa oskihtepakwa, pisiskiwak, ekwa kotakak e-pimâtahki, wîcihew askiya ka-naskomot ekwa ka-wahkohtahk. kîspin pîtos askiy ispayin, wehcasin ka-meskocipayihk, ayisk âtiht kîkwaya ka-paspîwak ekwa sihtoskamwak misiwewina ispî ispayinwa meskocipayiki. iyiniwak kinwes nisitohtamwak ôhi wâhkohtowina, e-atoskâtahkik askiy ekwa nîpiy ekota ewâpahtamihk nâkateyimowin, tipahwân wâhkohtowin ekwa nâkateyimiwewin. iyiniw iskwewak, wâwîs, pisiskeyihtamwak ekoni, e-mâtinamâkecik kiskeyihtamowin ekwa e-nâkateyihtahkik askiya ka-wîcihikocik ka-nahiskahkik ekwa ka-miyopayicik [9,10].

kikâwînwaskiy kesi kîsikâk yahkipayin, kanata e-kîsopayik ayiwâk nîswâw misiwihte tipakicikewin, ohcîmakan ekota asipihaskewin meskocipayin ayiwâk sohkahac misiwihte askiy. askiya môsihtânîwan kiciwin, e-kisitehk, kinwes ka-pastek ekwa ayiwâk ati ayiman kihcikamiya ohci pikwapotek, e-ohpipayik kihcikamikwa, ekwa e-kîsôpayiki kihcikamikwa [5].

ôhi meskocipayihowina asipihaskewinihk, asci kâ-pâstehk ekwa kâ-mosci osîmakahk ohpikowin anita sakawa, âsay ispayin micet-ayâhki ka-pastehk. ispî 2025, ayiwâk 18 peyakwâw kisipakihtasowin, poko ohpime kâyâcik nân'taw 30,000 iyiniwak kanakatâhkik wîkiwâw ekwa mâmawinitowina. ispî 2025, kekâc 9 pekaywâw kisipakihtasowin hectares e-kîstehk kekâc kahkiyaw kâ-piskihtastahk ekwa askiy, sihcowihâwak 45,000 iyiniwak sisikoc ta-nakatamihk. isko ekwa sohki ispayiki ôhi iskotewa wâpahcikâtew tân'si e-isi-meskocipayik ee-mâkohikocik nânapô askiya ekwa mâmawinitowina [11,12, 13].

peyakwan ekospî, aspihtaskewin meskocipayin e-mînonahk kânata kihcikamikwa, e-meskocipayik askiy ekwa nipiya sisone sâkahikanihk. e-ohpipayiki kihcikamikwa, e-sohkiyôtik, ekwa e-meskocipayik kihcikamik miskwamiy ohcipayin kahkiyipa ekwa mistahi kihcikamik iskipewina ekwa pikwapotek. mahkâskâwa ekwa misimâyikîsikâwa mahkâskâwa, asci e-wanihtâhk nâkateyicikâtehk kihcikamik miskwamiy, mescipayinwa yikawiskâhk, asiskiya, ekwa kihcikamik. ispî ôhi askiya ka-âciwipayiki, isikamâwa ayiwâk nôkôtawa, e-iskopehk ekwa pikwapotek ayiwâk. nânapô, ôhi kâ-pastek ekwa kihcikamik pakamiskâkewina sihkiskam tân'si asipihaskewina meskocipayin nânapô askiy sakâwa ekwa kihcikamikwa, nântaw ispayin askiy ekwa mâmawinitpwina peyakwan [14].

ayiwâk kâ-ati pastehk metoni sohki ekwa kihcikamik askiya tâwiskamwak ayiwâk mâkohikwak, iyiniw-nîkânîstamik itôtamina mekiwak tâpwe, tahki âpatanwa miskweyihamowina. pimâtisiwin mistihkasikewin, kiskeyicikâtew is *miyo iskotew*, ahpô esa kistikâna, ekiskinohtahiwehk ohci kiskeyihamowin ekwa iynîsîwin ohci iyiniw iskwew, e-âpacihtâcik nâway itôtamowina e-asônamâtohk aniskotâpânak ka-nâkateyihamihk askiy ekwa nipiy. ôhi itôtamowina namoya tepiyâ acônam kâpastehk astâsowina ekwa ka-mînostahk wîkiwina mâka asci ka-sohkastahk natamaka, ka-wâpahtihwehk tân'si iyiniw kiskeyihamowin e-nâkateyihatahk askiy, e-sihtoskahk mâmawinitowina, ekwa e-kanaweyihatahk nânapô sakâwa ekwa kihcikamiy ka-miywâsiki [15,16].

atâmihk sasîpihtamowinihk: pehci nâway kiskeyihyamowin ekwa mawacihcikewin e-itôtamihk

nîso pehci nâway iyiniw itôtamowina ohci *miyo iskotew* ekwa *Loxiwe* wâpahtihewewak e-wâhkohtocik ayisiyiniwak, askiya, ekwa aspihtaskewina wâsakâpayinwa, e-wâpahtihwehk tân'si iyiniw kiskeyihamowina paminiwewina e-nâkateyihatahk askiy, sihtoskâtahk miciwin kâ-ayâk, ekwa ka-nânapâcihtahk askiy tipahwân [15,16]. ôta pahki masinahikâtew wiyawâw pehci nâway, askiy pakamiskakowin, ekwa pimâcihiwewin, asci itâhkamika kiskinohamâkewina e-wâpahtamihk tân'si pehci nâway kiskeyihamowin ahkami kiskinohtahik ohci mawacihcikewin atoskâtamowina anohc. âpihtawâyihk ôhi âcimowina ayâwak iyiniw iskwewak kahkiyaw pâh-pîtos, onakacihtâwiniwâw ekwa

nâkateyihtamowina e-âpacihtâhk e-ka-nânapâcihtâhk nânapô askiy ekwa pimâtisiwin kayâs ohci. kiyâm âta mônîyâw wanâtâwin, ôhi kinwes e-kî-pe-itôtamihk nîpawistamihk pimâtisiwin kwayaskowewina ohci sasîpihtamowin, kanaweicikewinihk, ekwa metoni sohkeyihtamowin ohci iyiniw iskwewak, omâmawinitowiniwâwa, ekwa askiy [17].

ispî miyo iskotew e-pimohtet askiy

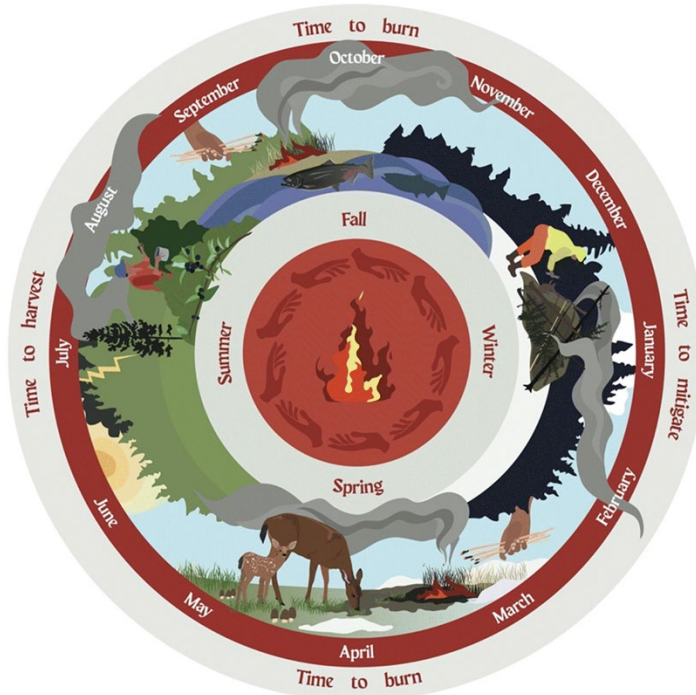


Figure 2: aspihtaskewina tipahipîsimwân e-wâpahtamihk e-tôhtâhk iyiniw iskotew opaminikew. ôma tipahipîsimwân masinahikâteu ispî ka-pimipayihtâhk miyonohk “tahkatin” mestinkâteuina (miyoskamin ekwa takwâkin pîsimwak, ispî kôna keyâpic e-ayât mohcihk ahpô pâmayes kôna ekwa kimowan pâkihtikik), ekospî ka-âcowipayiki kâ-pastehk astâsowin (pionohk, ispî pimiya acopayiki, wâwîs pimiya metoni sakawa ekwa mâmawinitowin-paminiwewina), ekwa ispî ka-kistikehk (ispî mîciwina ekwa maskihkiya e-mihcetiki, osâm ohci e-nâkatohehk ispî pimâtisiwin mestihkasikewin). mihcet mîcihciya (tâwâyik) wâpahtamwak otâniskotâpâniwewin keyâpic ekwa mâmawinitowin-itowa ka-wâhkohtamihk iskotew, e-astehk kiskeyihtamowina e-âsônakmâhehk kinwes askiy. Image concept e-masinahahk Hoffman ekwa A.C. Christianson, osihtâw ekwa e-tâpasinahahk Alexandra Langweider ohci Align Illustration [18].

mihcet otâniskotâpana, iyiniw mâmawinitowina misiwihte askiy e-nâkateyihtahk askiy anima kahkiyapah isiyihkâteu miyo iskotes, e-apisâsik, ohcitaw mistihkasikewina e-wîcihihtât sakâwa, maskosiya, ekwa kotak askiya ka-miyopayik. iskotew kiskeyihtamow iyiniwak, e-kiskinohtahikocik kayâs ohci kiskeyihtamowin ekwa kwayask ka-nisitohtahkik aspihtaskewina, isiwepana, ekwa oskihtepak kesi-ohpikit, e-pimohtehk nanisihkâc askiy, e-kanawâpahtahk kîkway ka-wihtamâkot e-kweyâciht. wîpac miyoskamin, nistam nîso ayamihewikîsikâwa mâna, mekiw tâhkiyowew ekwa miyimâwahcâw, ispayin iskotew nânisihkâc ka-pimohtet misiwe askiy. nîpinohk, kâ-kîsowâk ekwa kâ-pâstehk, kâkike wemâskâcîkâteu [19,20].

kâ-kwahkotehk misiwe askiy tâpiskoc kisci kanacicikewi-yehewin. e-pâstehki îyikihtawaskwan ekwa kayâs oskihtepakwa kî-tawikahikâteu, kâwâsîsot pîsim kâwe nete sakâhk kihtwâm, e-kîsônahk asiskiy ekwa nitomew oski pimâtisa. mînisâhtikwak, maskihkwâtikwak, ekwa kotakak pimâtisiwin ispihteyihtâkosit itowa kî-sohki-ohpikiw ekwa ayiwâk e-miyosit. mihcet ôki oskihtepakwak e-kî-itakocik

sisone iskotewa: âtiht kiscikânisak yohtepayiwak kâ-kistehk, ekwa kotakak sohki-ohpikiwak ekwa ayiwâk itakowak mânati-mistihkasikewin [19]. e-cimâsik kanawâpahcikan: [miyo iskotew](#) (ka-kaskihohk ôma itôtamowin).

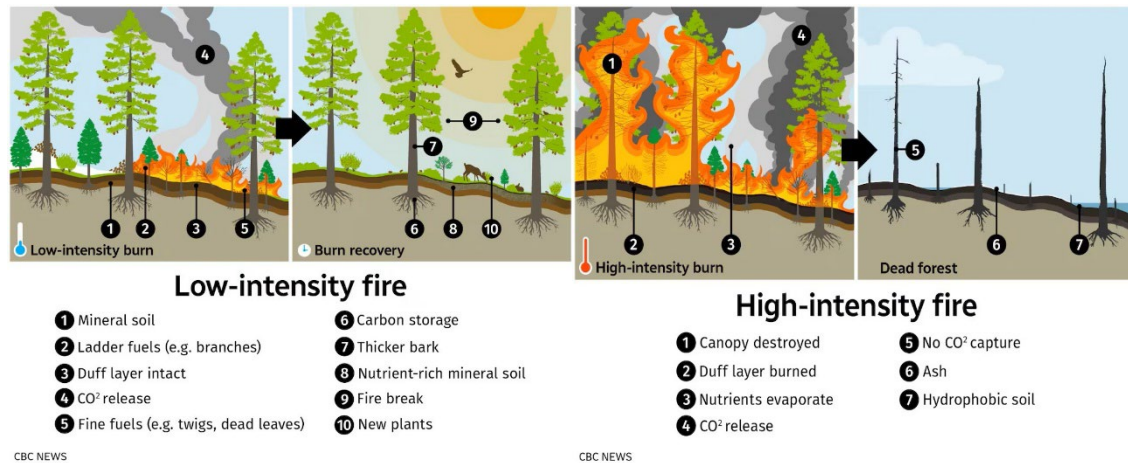


Figure 3: wâpahtamowin kawâpahtamihk ohci pimâtisiw mistihkasikewin ekwa kâ-pastehk [21].

kahkiyaw askiy kesi-wahkohtahk iskotew. maskosiya pikwihte ayâwa kâ-mistihaskew tahto askiy ahpô nîso, ponderosa pine sakâwa tahtwâw tepakohp isko niyânanosâp askiya ekwa oskâhcakosak sakâwa poko tahtwâw nikotwâsomitanaw isko mitahtatomitanaw askya. ispî ôhi wâsakâpayinwa e-ispiehteyihtamihk, askiy kî-miywâsin, namoya mistahi kîkway mosatahkamikisiw, ekwa oskihtepakwak ekwa pisiskiwak kî-mihcetiwak. mwestas mônîyâw paminikewin, okistapiw nîkân kî-âpacihtâw iskotew k-paskwatahiket ohci kistikewin ekwa kotak osihcikewin. namoya mistahi kiskeyihtamowin ohci ekota askiy iyinwak e-ayâcik, kî-waninisitohtamwak tânehki ekwa ka-ispayik ohci *miyo iskotew*. ka-paminwet kihci-okimânâhk wîpac namoya pakitinamwak itôtamowin e-kwayaskwascikehk e-wâpahtamihk wîpaces 1610 anita Newfoundland, ekwa wîpaces mid-1900s, pimâtisiw mistihkasikewin namoya ohci pakitinikâtew kihcikamik isi kihcikamik isi kihcikamik. namoya ka-itakoki ôhi kespayiki ispî wâsakâpayinwa, pâstew kaskisâkâsa ekwa pimiy mâwacihcikewin, e-kwayâtastât ohci ka-kisitehk, sohki-sasiwepayik kâpastehki mekwâc pikwihte askiy [19,22].

anohc, kehte-ayak, kiskeyihtamowiyiniwak, ekwa mâmawinitowina e-mînosihâtîcik *miyo iskotew*, namoya tepiyâ ka-nanâtawihât askiy mâka asci ka-nânapâcihtât pimâtisiwin kiskeyihtamowin ekwa keyâpic asci. âta keyâpic paminîwewin-ispayik kîskinamâkewina itakoki, namoya pikwihte mistihkasikewina itakonwa, ka-pimâcihtâhk pimâtisiw mistihkasikewina nisitawinikâtew e-nitaweyicikâtehk ka-mînosihâtîhk miyomahcihowin, sipihkisiki askiya. iyiniw-nîkâniwin mistihkasikewina ayâwak naspisihtâhk ohci askiy wâhkohtowin ekwa mâmawinitowin miyonohk ayâwin ispî kâ-misi-pastehk [15,19].

iyiniw iskwewak mînonamwak atoskewin ohci *miyo iskotew*

tahto iyiniw mâmawinitowin ayâw pimitsahikana ohci mistihkasikewina. pehci nâway, nâpewak ekwa iskwewak pîtos ayâwak itôtamowina: nâpew nîkânîstam iskotewa ohci mâcîwin ekwa wanehikewin ekwa iskwew kiskinohtahiwew ohci pimâtisiw e-ispiehteyimihcik oskihtepakwa [19,20].

kahesi atoskecik iyiniw iskwewak kahesi pitosiyiniwicik ohcipayan itâmihk askiy kiskeyihtamowin ekwa kinwes ohci kiskeyihtamowin ta-kanawayihtamihk mâmawinitowin miyomahcihowin. *miyo iskotew* anima ayiwak pihci pimipayihcikewin âpacihcikan; ayahk anima pimâtisiwin itôtamowin mawimôscikewinohk, wîcihihtâsiwin, ekwa wâhkohtowin kiskeyihtâkisiwin. kahesi pimâcihomakahk ekota môniyâw pimipayihcikewinihk nakinikewina kinwâpahcikatew kahesi sasipihthahkik iyiniw iskwewak, eta kahâhkami nîpawistahkik kanawayihtahkosiwin ekwa miywâyâwin otaskiyiwawahk [23].

misawe miskinak ministikohk ekwa Inuit Nunangat, âpihtawikosisan nakacihcikew Dr. Amy Cardinal Christianson wîcihatoskeyimew iyiniw iskwewa ekwa omâmawinitowiniwâwa kawi ta-kahtinamihk pimâtisiwin mistihkasikewin. kahesi atoskeyit esi kihci-iskotew opîkiskwestamakew asici anima Indigenous Leadership Initiative, wîcihihtâsiw ka-yahkastahk iyiniw kâ-nîkânestamihk itôtamowina, nîso masinahihewak askohkewina ohci sîhcikewin mistihkasikewin, ekwa pîkiskwew ôta anima [miyo iskotew podcast](#), eta e-nistawinawiht eta ehotahowet anima 2025 Lynn Orstrad otahowewin: iskwewak ekota sakahk sasîpihtamowin [24].



Figure 4: Dr. Amy Cardinal Christianson ehastat iskotew askihk [25].

atoskâcikan, tâpiskoc FireSmart Canada [Blazing the Trail Initiative](#), cihkeyistamihk âcimowina ekwa kiskinwahamâkewina ohci iyiniw mâmawinitowina, mîna iskwewak ohci misakâme askihk, e-kiskeyihtamihk kîkway iyiniw ayisiyiniwak tâpitaw kâkî-pe-kiskeyihtahkik: iskotew anima e-wîtahpisohk, kawi itôtamowin, ekwa maskihkiy [19].

tânisi *miyo iskotew* esi nataweyimakahk askiy

kahesi miywâsiki anihi pimâtisiwin mistihkasikewina kwayask kiskeyihcikâtewa. *miyo iskotew* nikipicikeyimâkan pimiyy mistihkasikana, nikipitamihk ka-pastek astâsowina, kawi askiya pimacihomakahki, mînisa ohpikina ekwa sihtoskâkeyimakanwa kîkwaya ka-pimâtahki eta tawâki askiya.

ayiwâk, wîcihihtâsômakani ohci kîkwaya ka-misiwanâcihcikeyimakahki ekwa kwayask ohci sakâwa, maskosiyahk, ekwa ka-sâpipeki askiya [15,22].

iyiniwak ka-nîkanestahkik ôhi kinwâpahcikewina wîhcikeyimâkanwa ôma kiskeyihtamowin ikospî sâkipakâwi pîsim 2025, anima Kainai Nation, ekoti sâwanohk Alberta, osihtâwak anima maci nistam Indigenous Fire Guardians Program. ka-nîsostahk kaskitewisit askiy kiskeyihtamowin, sihcikewin, ekwa kwayask sesâwewin, aniki okanaweyihcikewak kawî kâkiminopitamwak maskosiyawa, nikipitamihk pastewin astâsowin, ekwa sîhtoskamihk askiy pimâtisiwin. iyiniw iskwewak aniki wîcihihtâsiwak ôta atoskâcikan isi iskotew okanaweyihcikewak, sesâwewin okiskinwahamâkewak, ekwa kiskeyihtamowin ka-miciminahkik, sôhkastâcik mâmawinitowin sîhtâpisiwina ekwa pimâtisiwin kanaweyihcikewak [26].

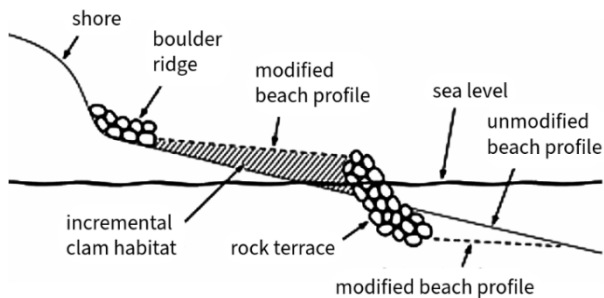
misikame sakâwihk, kahitapekahk ohci Newfoundland isko Yukon, mâmawinitowina anihi kawî pimâcihtacik mînisa askiy mistihkasikewina, itôtamowin kinwes iyiniw iskwewak kâkî-pehitôtahkik mistahi mînisa kâ-ohpikihki, ispihcâki, ekwa sîwâki. ôhi mistihkasikewina kiskeyihcikâtewa aniki iskwewak moy tepiyahk môsahkinikewak; wîcihihtâsiwak ka-wiyastâcik askiy, apacihtâcik iskotew isi âpacihcikan ohci paspewin, mîcisowin, ekwa pimâtisiwin ka-âhkami pimâtahk. [27,28].

mâmawi, ôhi kinwâpahcikana kiskeyihtâkwanwa tânisi *miyo iskotew* esi wîcihihtâsomakahk, kwayask ka-itôtamihk mekwâc aspihtaskewin ayimihowina. kanakipitamihk pastewin ayimâhki, kawi wiyastahk askiya, ekwa sîhtoskamihk pimâtisiwin misteyihtâkwahki mîciwina, pimâtisiwin mistihkasikewin sohkipicikeyimakan nîso askiy miywâyâwin ekwa mâmawinitowin sasîpihtamowin.

ta-kihcinahkohk ôma kiskeyihtamowin ahkamihispayik, nîkânastahk ekwa sôhkipitamihk ohci iyiniw iskwewak kahesi pîtosiyiniwicik, misteyihtâkwan ohci askiy miywâyâwin, ekwa ka-sasipihkâkwahki mâmawinitowina, ekwa ôti nîkânihk ka-miywâyâcik otâniskotâpânak. kahesi wâpahtamihk ohci anihi kinwâpahcikewina ispihimk, *miyo iskotew* anima ayiwâk pihci itôtamowin, e-pimâtahk anima nakatamowin, eta ohci pimâtisiwin, kanaweyihtakosiwin, ekwa kinwes kahispayi wâhkohtowin ohci ayisiyiniwak ekwa kikâwîkaw askiy.

anima âcimowin ohci *Loxiwe*: pimâtisiwin ekota natakamihk.

esa ahpô kihcikamikohk kistikâna, kiskeyihcikâtewa esi *Loxiwe*, isi Lik^wala, itweyimakahk ‘eta ka-mâmawi tihtipecik asiniyak; anihî kayâs ohci misiwewina ohci ohpikiwin ekwa môsahkinamihk kihcikamik mîciwina, e-pehitôtamihk ayiwâk 3500 askiya ohci kihcikamik iyiniwak misikame Pacific Northwest. iyiniw iskwewak ekwa awâsisak nanisihkâc tihtipitewak ahpô tahkonewak misikitiyit asiniya isi nipihk, e-cimahâcik isi kipahikana eta e-kahtinikeyimakahki asiskiy ekwa sokwahikâsik esak. kinwes ispayik, ôhi kipahikana papeyahtik meskocipitamwak natakâma, eta kâ-wîkicik esak ekwa kotakwak nipihk kâ-pimâtisicik, eta ka-wâpahcikatehk *Figures 5* ekwa *6*. *Loxiwe* aniki atâmihk pihci nâway kiskeyihtamowin ohci, e-wîci-atoskeyihtahkik nipiy ka-ohpipayik, ispihtaskewina, ekwa askiy kâwi kahispayik. kinwes kasispohtamowin, kwayask nâkateyihitamwak mîciwin misiwewina eta e-kanaweyihtahkik nâtakama ohci ka-kasipayiki ekwa nipiy ohpipek, eta e-kiskeyihtamihk nakacihtâwin, kiskeyihtamowin ekwa nâkateyihcikewin ohci awina kahosihtâcik eyikoni [16].



kinwapâhcikan 5: Schematic esa kistikân masinipayicikan kinwâpahcikatew anima nanisihkâc eta wikihk pihtaw ohci esa kistikana ekota nipiy waskaweyimakahk [29].



kinwapahcikan 6: ekota Calvart ministik, British Columbia, ekota asinihk kahastek esa kistikan anima kiskisiwin tanisi iyiniw ayisiyiniwak esi kaskihtacik kahosihtacik kihcikamik isi esa kistikân. masinipayicikan ohci Hakai Institute[30].

kawî pimâcihtahk *Loxiwe* anihî e-kiskeyihtamihk e-sôhkahki askihk ekwa aspihtaskewina sasipihitamowin misiwewina. okipahikaniwâwa kahcipicikeyimakwanwa cahkasik, mîciwin mistahi askiy eta ka-kanaweyimikocik esawak ikospî ka-mâci kisitek, eta e-wîcihikocik oski esawak ka-paspecik ekwa kahohpikicik kiyâm âta e-kwayaki-kisitek. anihî kihcinâc kahesi osihtahk wikamikwa ohci anihî kistikâna wîcihihtasomakwanwa nipiy ka-pimiciwak, takwahihcik ka-simakiskâsocik esawak eta nikipitihcik manicosisak, ekwa osihcikeyimakwanwa miywâyâki esa nipewina pihci moy ka-kipahastahk natakama. *Loxiwe* mîna ahtastawak natakam wîkiwina, sihtosakeyimakwanwa mistahi ohci pimâtisiwinihk ka-misteyihtâkosicik kîkwayak ka-pimâtisicik, ekwa nikipitawak kîkwayak moy ekota ohci [31,32].

ôhi kistikana mîna wîcihihtâsomakanwa isi pimâtisiwin kiskinwahamatowikamikosa, eta iyiniw oskâyak ta-kiskinwahamâkowisicik kîkwaya ohci kihcikamik, atoskewina eta ka-nakateyihcik askiy, ekwa anima kahesi wîtahpisomakahk isi ayisiyiniwak ekwa nipiy askiya [33]. ekota Nêts'inuxw *Matsayno*, ekota Kwaiaakah askihkanihk ekota askihk kahitisihkâtek British Columbia, peyak oskâyis ohci ekota Kwaiaakah Nation mekwâc nîkânestam *Loxiwe* kâwî mâcipitamihk atoskâcikan isi ekota Indigenous Science Division ekota Environment and Climate Change Canada. ôma atoskâcikan kiskinohtahikâtew ohci kihte ayak, mîna peyak anishinaabe iskwew ohci Lake St. Martin First Nation, eta e-kiskeyihtamihk

otâniskotapanewin ekwa ka-nîso wîcihitocik iyiniwak ekwa e-kinwâpahtamihk tânisi ohi pihci naway itôtamowina ahkami kiskinohtahikocik oski kasispohtahewina [34]. ayiwâk kiskinwahamaso ohci anima atoskâcikan ôta: [*Clam Gardens, Ancient Indigenous Technology and Sustainable Food Source*](#).

ekota Gulf Islands National Parks Reserve, ekota cîki sâwanohk sâkâstenohk natamihk Vancouver Island, BC, Hul'q'umi'num' and WSÁNEĆ Nations wîcihatoskeyimewak Parks Canada kâwi ka-mâcipitamihk Loxiwe. ôta, pihci naway kiskeyihtamowin nanisihkâc itôcikâtew isi môniyâw nitonikewin ka-sihtoskamihk kawi ohpikihcik esak, eta e-kiskeyihtamihk ohi kistikâna moy tepiyahk pimâtisiwin itweyimakahk mâka mistahi nakacihtâhk ekwa kawi pimacihtahk misiwewina ohci kanaweyihtamihk natamihk pimâcihowina [35]. mâmawi ôhi atoskâcikana

iyiniw iskwewak kiskeyihtamowin ekwa atoskewin ekotawihk esa kistikâna

mitoni kinwes askiya, iyiniw iskwewak ekota kîwitinohk pahkisimotahk natamihk kinwes kîpe nâkateyhtamwak esa kistikâna otatoskewiniwâw ayiwâk itocikâtew ekotawihk môsahkinikewin: watihkâtewak ekwa nâkateyimewak esak, meskocipitamihk ekwa panahkopayiki asiskiya, nânapacihtacik asiniy kipahikana, katihtahewak ka-nipahcikeyit kîkwaya, ekwa sisiwepinâcik simakiskawihcik esak, itôcikewina ka-wîcihihikocik esa ohpikiwin ekwa kihcinahohk kinwes atoskewin. ôhi itôtamowina kiskeyihcikâtewa mistahi askiy kiskeyihtamowin, mîna nistohtamihk nipiyy ka-waskaweyimakahk, tipiskaw pîsim wasikapayinwa, aspihtaskewina, ekwa pimâcihtahk môsahkinikewin itôtamowina kahasonamowihcik ohci okâwîmâwak, okâwesimâwak, ekwa ohkomimâwak ohci oski otâniskotâpanak [16,36].



Figure 5: awîna ka-masinipayihtât: peyak Kwakwaka'wakw iskwewak môsahkinât esa kinosewak owîhowin, kahakimiht, tânte, ekwa masinipayihcikew moy kiskeyimâw Catalogue # MCR 6002 Museum at Campbell River [37].

mihcet iyiniw mâmawinitowina sisone pâhkisimotahk natamihk, iskwewak wîstawâw miciminamwak okimâwewin tipeyihcikewin askihk ekwa nipihk, eta ehayâcik sohkatisiwin kahitasiwâtahkik tânispi ekwa tânisi, ekwa awîna ka-nakateyimikocik. otatoskewiniwâwa sihtoskawewak peyakoskanak ekwa mâmawinitowina kape askihk kâhispayik, kîhcinahohk mîciwin, kanaweyihtamihk pimâtisiwin itôtamowina, ekwa kanaweyihtamihk ehayamâhki kiyohkewin ekwa wiyasiwewin misiwewina. Kwakwaka'wakw's Clan okimaw *Kwaxsistalla* kiskisiw, " ikospî kakahoskayowiyaw, e-kiwatihkatayahkik esak tâhto pipon. kikiskeyihtin, ikospî pikwâwiyak, kahkiyaw nâpewak (ayâwak) ekota misi wâskahikan, potlatch, ekwa kahkiyaw iskwewak wâtihkâtewak esak. " e-kiskehihtamihk tânisi iskwewak atoskewin ekwa kiskeyihtamowin pimâcihtahk nîso askiya ekwa mâmawinitowin pimâtisiwin [38,39,40,41].

anima kahesi mostacihtamakahk kahâsônamakehk ôma pihci nâway kiskeyihtamowin atâmihk ispayan iyiniw ayiyiniwak ekwa omâmwinitowiniwâwa. tâpiskoc, e-cimâsik cikasteyipayicikan kinwâpahcicatew kawi wiyastahk atoskâcikan e-nîkânestahk Wei Wai Kum kite aya ekwa Archaeologist Christine Roberts ekota askihk Wei Wai Kum askihkân ekota Northern Quadra Island, natamihk ohci British Columbia: [*Clam Gardens - Nanwakolas Council*](#). ôma kiskeyihcikâtew tânisi kiskeyihtamowin tâpitaw mâtinamâkehk, kiskinwahamâkehk, ekwa waniskâpitamihk misawe kasispohtamowina, wîtahpisohk mâmawinitowina asici askiy ekwa pimâtisiwin itocikewin.

Loxiwe ahkami pimâtisiwak anima kahesi wâhkôhtocik ayisiyiniwak, ayâwin ekwa anima kihcikamik mâmawinitowina ahkami pasikônamwak ôhi kistikâna, iyiniw iskwewak kiskeyihtamowin kiskinohtahikeyimakan moy tepiyahk ka-nâkateyimihcik esak mâka kahasônamâkehk pimâtisiwin, pîkiskwewin, ekwa askiy iyinisowin ohci nîkânihk kasispohtamowina. ôhi kahosihtâhk kipahikana wîhcikâtew âcimowin eta sasipihitamowin, nâkateyihcikewin ekwa wâhkômitowin, eta e-kiskisimikoyahk kahesi miywâyât kikâwînwaw askiy, nipiya anihi mâmawinitowina tâpitaw e-wîtahpisômahki [36,41].

iskweyâc wîhtamakewin: nâkateyamiht okawîmaw askiy, nipiya, ekwa mâmawinitowina

iyiniw iskwewak kahkiyaw kahesi pitosiyniwicik tahkonamwak kiskeyihtamowin ekwa itôtamowina kinwes kapehitôtamihk kasispohtamowinihk, atâmihk esi wâhkôhtomakahk asici askiy, nipiya, ekwa kahkiyaw ka-pimâtisicik kîkwayak. ekotawihk pihci nâway itôtamowina tâpiskoc *miyo iskotew* ekwa *Loxiwe*, pimâcihtawak askiya, sohkpitamwak mîciwina, ekwa wîcihihtasiwimakana pîmatisiwin ekwa mâmawinitowin miyomahcihowin.

aspihtaskewin meskocipayiwin mistahi wîhayaman, ohci misipaštewa isi kihcikamikwa ohpipayiki, mâka iyiniw iskwewak kwayask ka-wicihihtâsiwak asici nakacihtâwin, nâkateyihcikewin, ekwa otâniskotâpan kiskeyhtamowin. kahesi itôtahkik pasikônamwak askiya, ka-naweyihtakosiwak kahkiyaw ka-pimâtisicik, ekwa kihcinahowin pimâtisiwin kiskeyihtamowin kahâhkami kiskinohtakocik ôti nîkânihk kasispohtamowina. ekosi takiskeyihcikâtew sasipihitamowin moy tepiyahk ohci tapaspehk meskocipayiwin, mâka ka-pimâcihtahk pimâtisiwin, ayitaw peyakwan, ekwa wâhkômitowin misikame ayisiyiniwak ekwa nanâtohk askiy misiwewina.

nistawinamihk ekwa sihtoskamihk iyiniw iskwewak kiskeyihtamowin e-sôhkastahk mâmawinitowina, nanâtohk askiya, ekwa aspihtaskewin kaskihowina. kahesi itôtahkik itôtamowina kiskisimikonaw kwayask kahitôtamihk isi askiy ka-meskocipayik anihi pihci nâway ohci, kiskinohtahowewin ohci otâniskotâpanak, ekwa nâkateyihitamowinihk ekwa sasipihitamowin nikanipitamihk ohci kasispohtamowina. iyiniw iskwewak kiskinwahamâkewak kiskeyihtamowin, nâkateyihcikewin, ekwa sasipihitamoiwn e-tahkonikatek isi misakâme kasispohtamowina misteyihtakwanwa ka-pimaâcihtahk askiy, nipiya, ekwa ayisiyiniwak ka-mamisitotahkik eyikoni kîkwaya.

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