

ENVIRONMENTAL RISKS OF ROADS

ROT IKEN GIVIM PLANTI HEVI LONG BUS, GRAUN NA WARANA.

1. Roads threaten biodiversity and ecosystem services

Rot ken kamapim planti hevi long ol samting istap long bus, graun, wara, na long ples.

- ◆ Vehicles kill many wildlife species
Ol kar save kilim planti ol kankain animol, snek, binatang, na ol samting.
- ◆ Certain birds, tree-dwelling species, and large animals avoid roads
Sampela pisin, ol animol save stap long diwai, na ol bikpela welabus ino save go klostu long rot.
- ◆ Hunting often increases sharply near roads
Pasin bilong kilim ol welabus long kaikai isave go bikpela klostu long rot.
- ◆ Increased deforestation near roads reduces the benefits of forests for storing carbon, regulating the climate, and purifying water
Katim olgeta diwai klostu long rot, ibagarapim ol gutpela sevis isave givim ol man.
Ol diwai save daunim ol win nogut, halivim long gutpela ron bilong win, ren, san. Ol diwai tu isave klinim na stretim na mekim ol wara stap kiln olgeta taim.



2. Roads in wet environments increase erosion and flooding

Wokim rot long ples igat wara, save kamapim planti tait wara.

Wara save karim planti graun igo wantaim.

- ◆ Road construction increases soil erosion by up to 1,000 times
Olgeta gutpela graun wara bai karim igo taim wok bilong rot kamap.
- ◆ Soil erosion is especially heavy in steep terrain and wet environments
Graun bai lus olgeta taim long ples em sap olsem maunten. Wankain bai kamap long ol ples we em igat planti wara.
- ◆ Soil erosion can severely pollute streams and rivers, killing fish and other aquatic species
Ren na win karim planti graun igo, bagarap save kamap long ol likdik na bikpela wara. Ol pis, kankain ol binatang na abus insait long wara olgeta dai.
- ◆ Roads impede natural water movements, causing localized flooding and killing vegetation
Rot save faulim ron bilong wara, kamapim ol bruk wara na tait, na kilim olgeta diwai, gras, ol samting gro arere long wara.
- ◆ It is very expensive to provide effective drainage for roads in high-rainfall environments
Ples we isave ren planti, bai nidim bikpela moni long mekim ol baret arere long ol rot.

3. Roads promote forest loss and fragmentation

Ol rot ihalivim long kamapim birua na bagarap long ol bikbus.

- ◆ In the tropics, 95% of all deforestation typically occurs within 5 kilometers of a road
Ol kantri olsem PNG istap long mak blong san ihat tumas, pasin bilong katim olgeta diwai 95% mak ikamap arere long 5pela kilomita long rot.
- ◆ Many roads in developing nations are constructed illegally
Plant kantri we ino gat bikpela senis long en, planti ol rot ol iwokim ino save bihainim lo bilong gavman.
- ◆ Roads lead to sharp increases in illegal forest fires
Planti ol bikpela paia save kukim ol bikpela bus ikamap long hap we rot istap long en.
- ◆ Globally, roads are the number 1 threat to nature
Long ples graun, nambawan birua bilong bagarapim ol bus, wara, graun, na olgeta animol, em rot.
- ◆ Roads fragment habitats, increasing illegal logging, mining, and poaching
Rot save bagarapim ples bilong slip, kisim kaikai, pasin bilong stilim ol diwai go bikpela, mining, pasin bilong stilim ol animol, graun, go nating nating long graun bilong ol narapela man.
- ◆ Roads can be serious barriers to animal migration and plant dispersal
Ol rot save banisim ol kankain animol long wokabout igo long narapela hap. Rot isave stopim ol diwai, plawa, gras, na kankain ol bilas long bus long gro. Rot isave stopim win long karim sid igo long narapela hap.

4. Roads sharply increase landslides in steep terrain

Graun save bruk hariap long rot istap long ples maunten.

- ◆ In steep terrain, roaded areas have 10-15 times more landslides than areas with intact forest
Wokim rot long ples i maunten, planti graun bruk klostu 10pela igo antap 15 taim moa. Graun ino inap bruk taim yumi wokim rot we igat bikbus istap.
- ◆ Landslides can destroy roads, homes, and human property, creating large financial risks
Graun bruk bagarapim ol rot, haus, olgeta samting bilong ol man. Kamapim bikpela hevi long painim moni long stretim.
- ◆ Steep areas near roads can have up to 30 landslides per square kilometer
- ◆ Ples maunten stap klostu long rot isave kamapim graun bruk planti taim. Mak olsem 30pela graun bruk insait long sotpela hap tasol.
- ◆ Yumi ken makim olsem 30 mita



THE GREATEST ENVIRONMENTAL RISKS

ARISE FROM PUTTING ROADS INTO INTACT FORESTS

BIKPELA BIRUA BILONG BAGARAPIM BUS, GRAUN, WARNA NA OLGETA ANIMOL TAIM YUMI WOKIM ROT IGO LONG BIKPELA BUS.