Homo Sapiens as an Ore Depositing Agent?

Proximity of *Homo sapiens Konservat-Lagerstätten* locations to AAPG deposits

Castonguay, S.R.[1], Muscaria, A.M.[2], Ostreatus, P.L.[2], and Azure, P.S.[1] a*

(17018) Journal of Completely Bogus Articles, v(2K) n.11 pg. 1252-1301

**presenting author*

[1] University of Oregon, 1585 E 13th St., Eugene, OR, 97403

[2] Treasure Valley Community College, Ontario, OR, 650 College Blvd, 97914

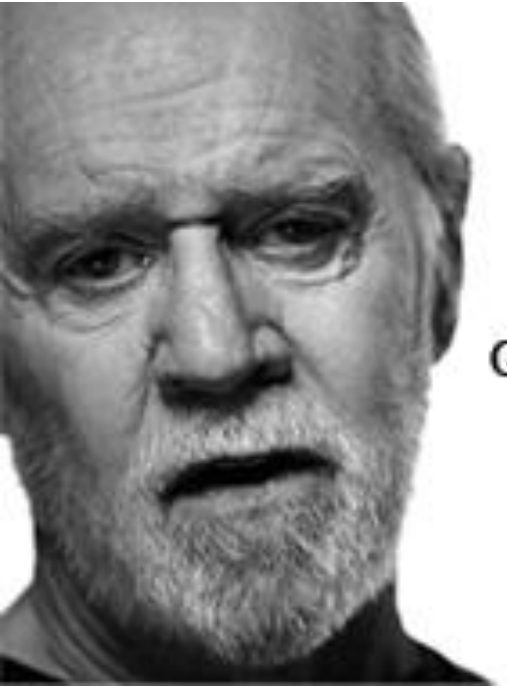
A Mycocene Discussion

Santa of the Forest:
A Castonguay Family Tradition

- SciFi-Parody
  - set ~50,000 yrs future, next interglacial
  - Mycocene – fungi dominate earth
  - Anthropocene (?) – human dominated geology
- Reality: Are we terraforming earth for fungi?
  - Asking a group of Radical Mycologists!
- Presentation
  - From perspective of fungi economic geologist
  - Overview of Anthropocene deposits, Mycocene, and thoughts on humans

In-spore-ation

geologist + mycophile + mythmatician



GEORGE CARLIN
1937-2008

Terrance McKenna
1946-2000

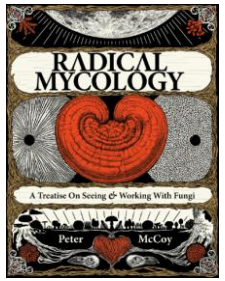
‘Humans: Earth + Plastics’

-(1992) Jammin’ in New York

(2010) Stamets

‘Human evolution and Fungi are inextricably linked’

-(1992) *Food of the Gods*



(2016) McCoy

(2018) Olson, RMC

Mushroom Bioaccumulation:
Current Perspectives and Future Research Needs

LEIF OLSON

Biodegradation of Polyester Polyurethane by Endophytic Fungi[▽]

Jonathan R. Russell,[1]# Jeffrey Huang,[1]# Pria Anand,[1]# Kaury Kucera,[1] Amanda G. Sandoval,[1] Kathleen W. Dantzler,[1] DaShawn Hickman,[1] Justin Jee,[1] Farrah M. Kimovec,[1] David Koppstein,[1] Daniel H. Marks,[1] Paul A. Mittermiller,[1] Salvador Joel Núñez,[1] Marina Santiago,[1] Maria A. Townes,[1] Michael Vishnevetsky,[1] Neely E. Williams,[1] Mario Percy Núñez Vargas,[2] Lori-Ann Boulanger,[1] Carol Bascom-Slack,[1] and Scott A. Strobel[1]*

(2011) Applied and Environmental Microbiology

Anthropocene

Langdon Winner

+ IDEAS =

Mycocene

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Homo sapiens as an Ore Depositing Agent?

I. Introduction

Why do we study the Anthropocene Deposits?

What is known?

II. Review of Deposits

i. PPD – Polymer Pile Deposits

ii. AAPG – Anthropocene-Apocalytocene Petroleum on Ground

iii. MMP – Metallic Arthropod Migration Pathways

iv. MAC (Metallic-Aggregate-Carbonate) Regions

III. Connections with *Homo sapiens*

I. WHY?

AAPG Deposits!

(Anthropocene-Apocalyptocene Petroleum Ground)

- Primary Mycocene Resources

(food, fiber, medicine, transportation)

- Found within or near MAC

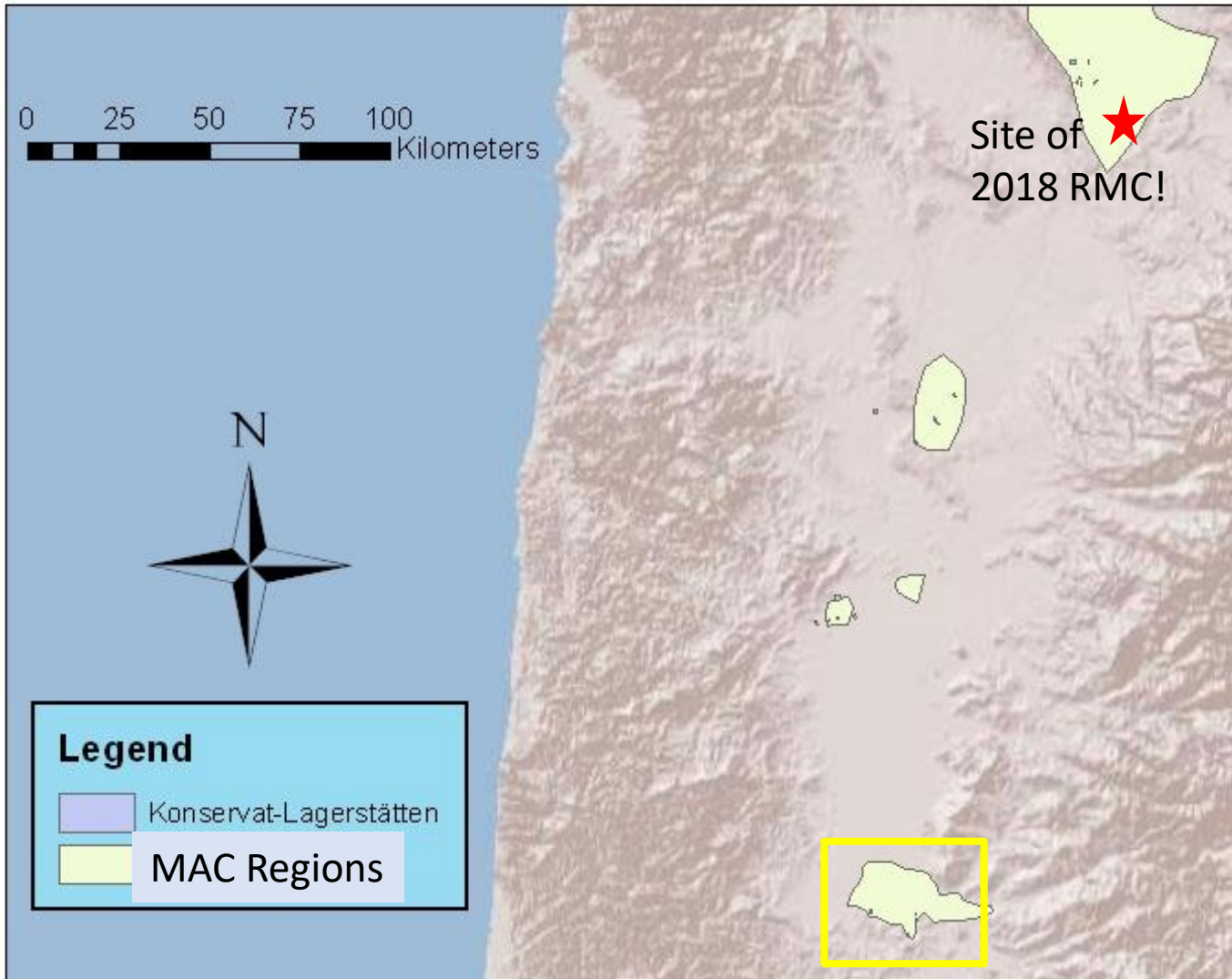
(Metallic-Aggregate-Carbonate) Regions

- During e. Mycocene easily accessible deposits extracted led to more exploration and research

- Now, more spatial and geologic data have revealed deeper connections within the Anthropocene ecology

Geologic Map of MAC Regions and AAPG Occurrences in Willamette Formation, SW Cascadia

(2018) Muscaria *et al., JCBA*



I. What do we know of the Anthropocene?

2015 – First Description of ‘Anthrosol’

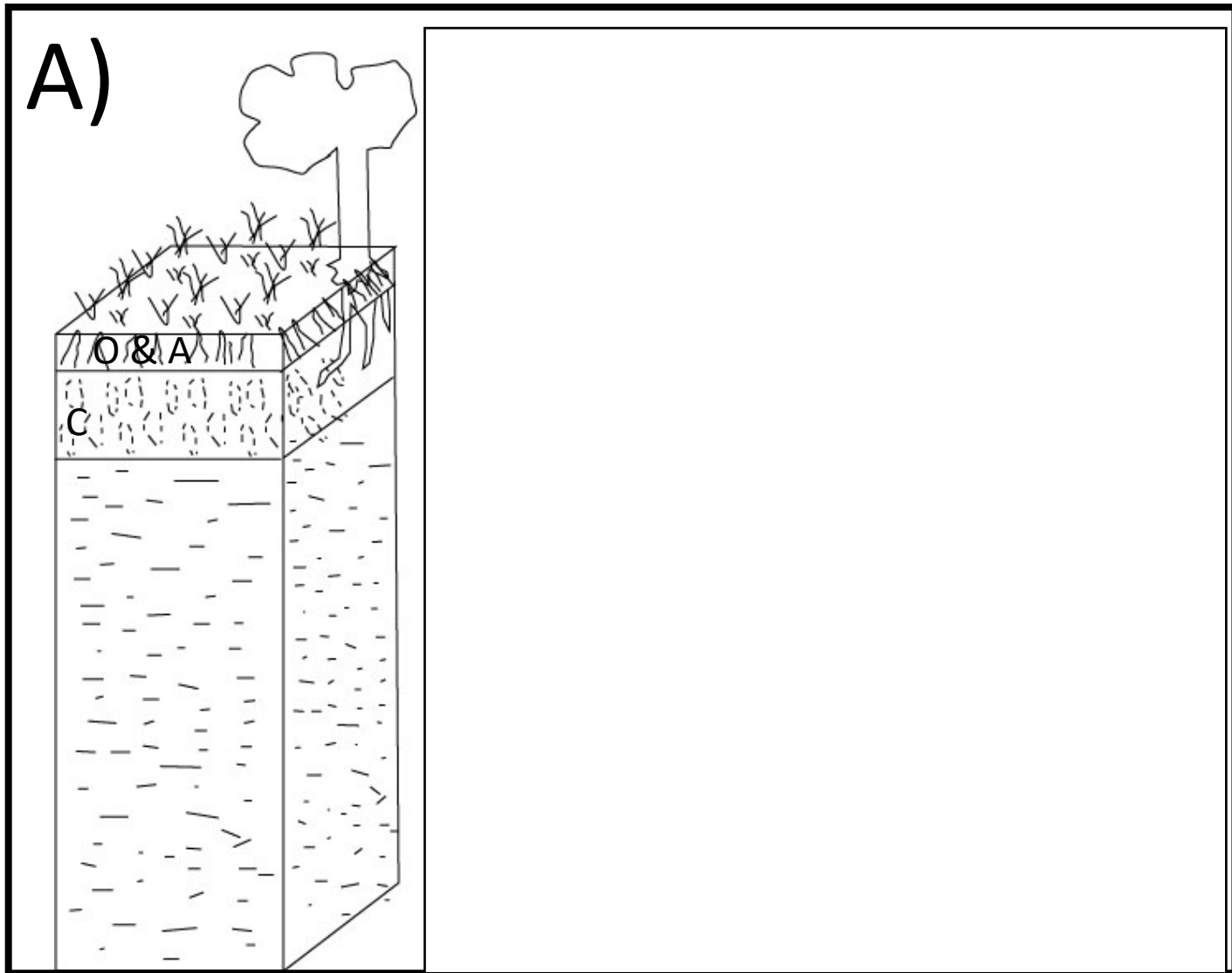
[(2015) FAO Soil Taxonomy]

“long and intensive agricultural use”

A) Mollisol-Alfisol

Grasslands, sparsely forested

Fig. 2, Castonguay 2018



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[(2015) FAO Soil Taxonomy]

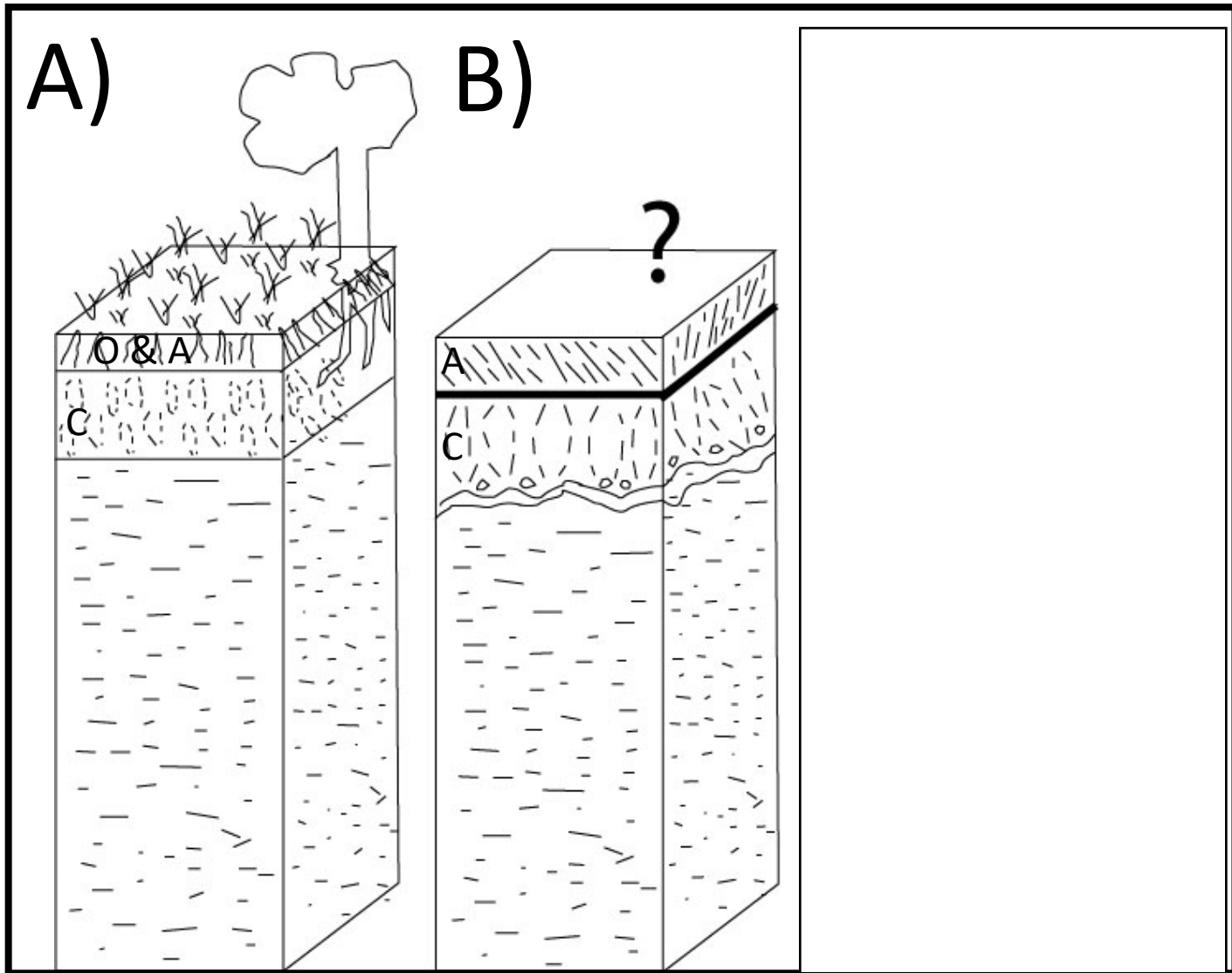
“long and intensive agricultural use”

A) Mollisol-Alfisol

B) Tilled & Depleted =anthrosol

But how? What mechanism?

Fig. 2, Castonguay 2018



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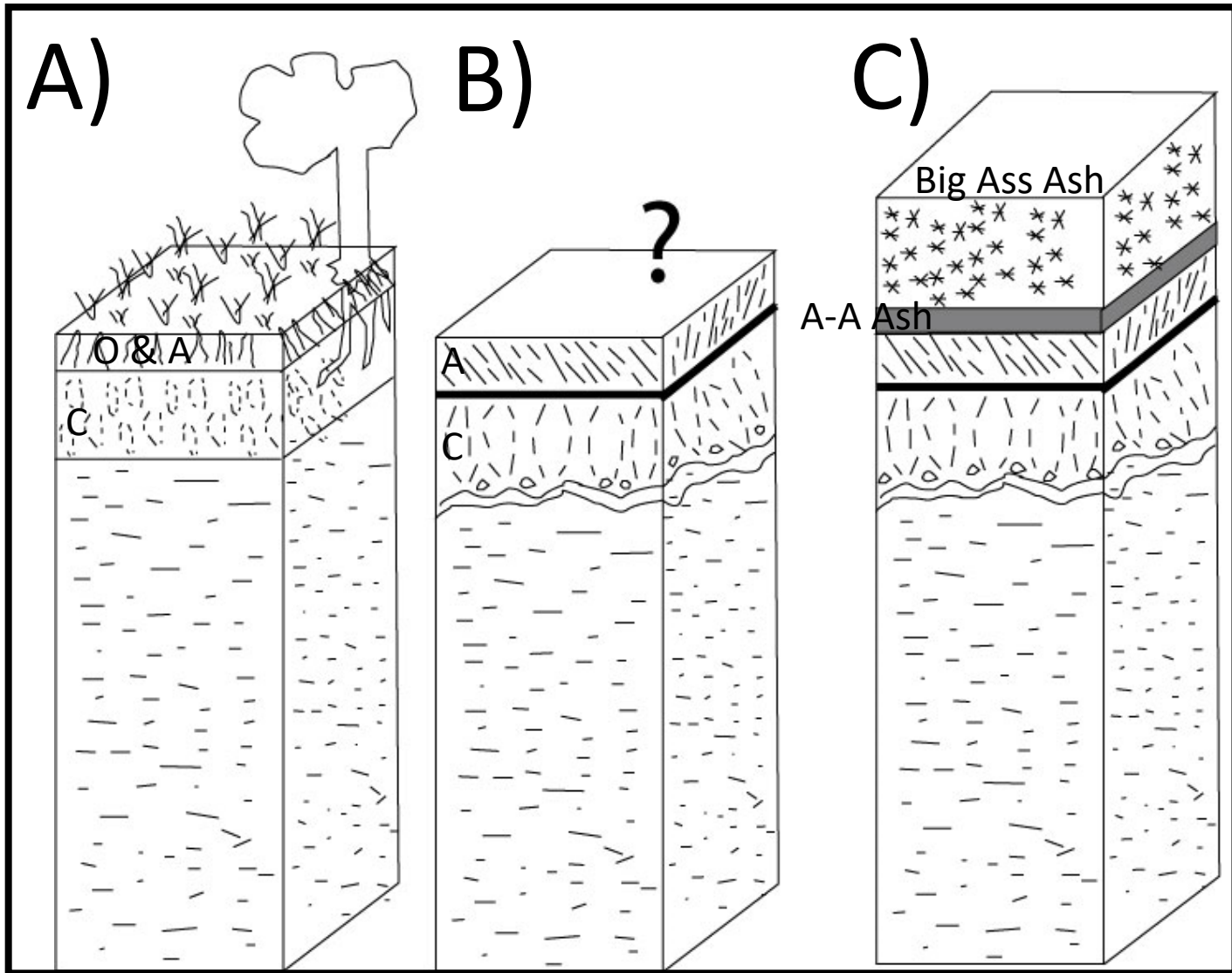
“long and intensive agricultural use”

A) Mollisol-Alfisol

B) Tilled & Depleted
=anthrosol

C) Locally, capped with A-A ash and large Volcanic ash

Fig. 2, Castonguay 2018



I. 2018 – *'Metallic Arthropod'* hypothesis

(2018) Castonguay, JCBA

"We suggest the quick and pervasive degradation of the worlds soils during the Anthopocene-epoch was due almost entirely to the rapid evolution of the order of metallic-arthropods following population explosion of prey."

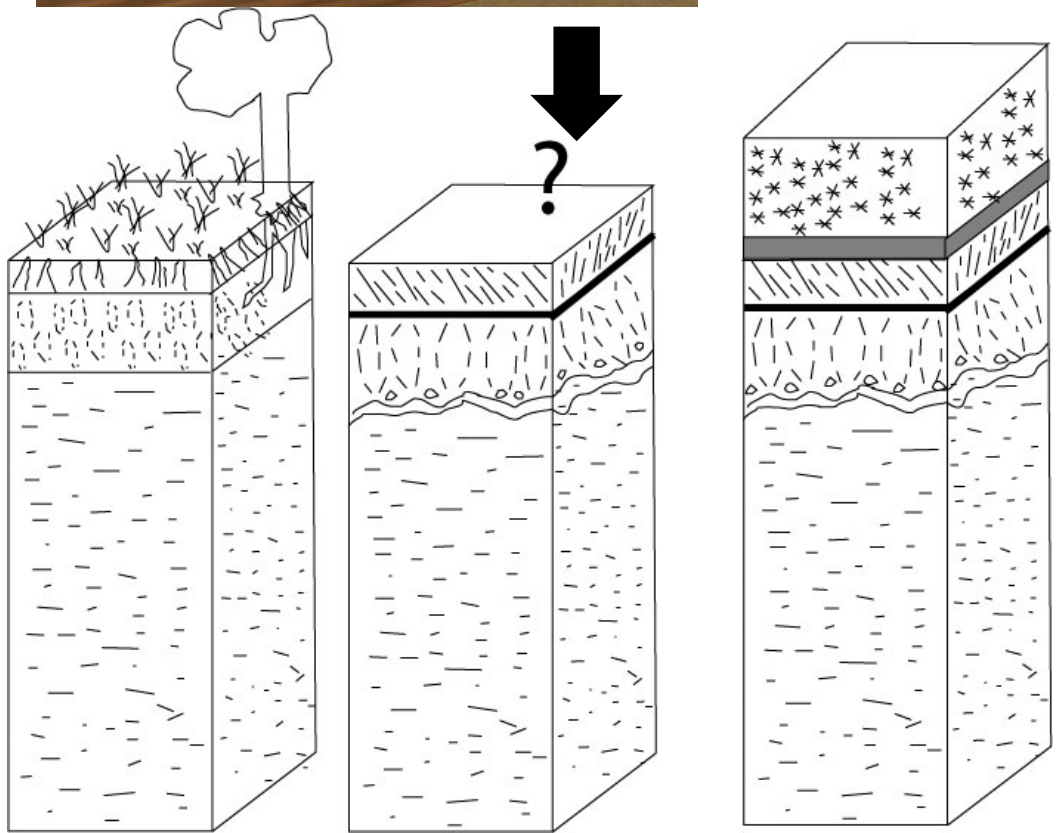


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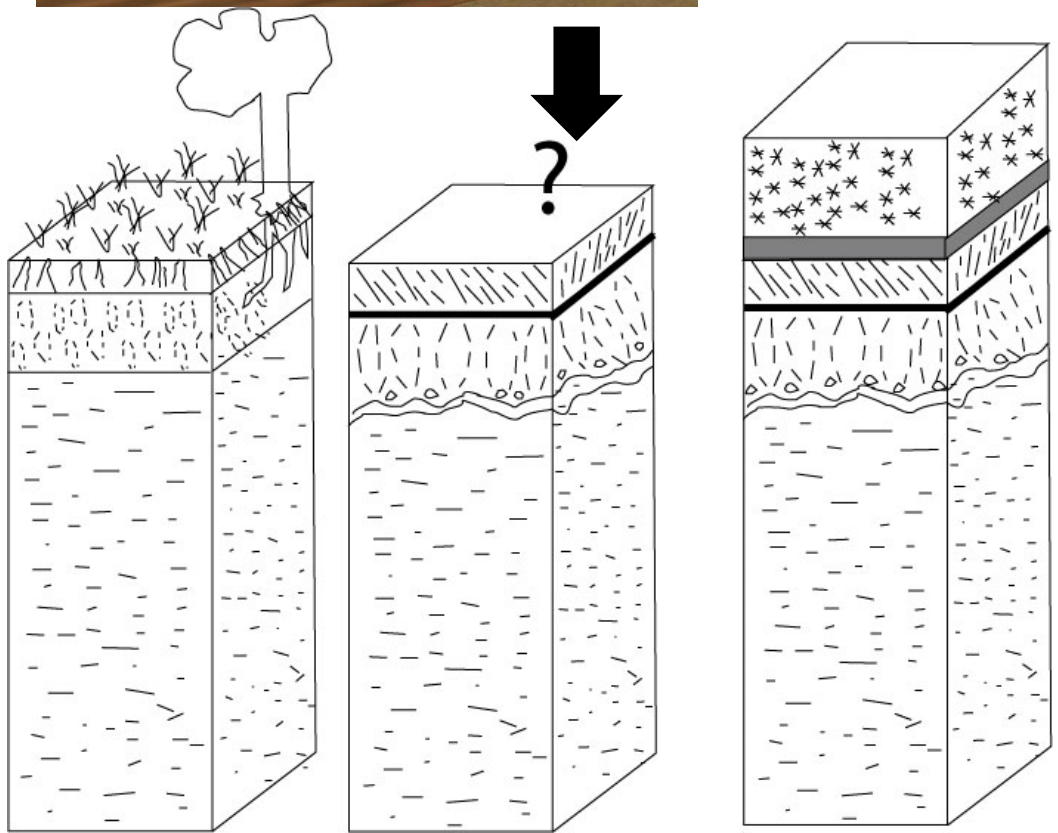
Fig. 5, Castonguay 2018



Late Holocene,
circa 1890

Examples of *Tractero* genus of metallic arthropods

Early to Late Anthropocene
circa 1940 - 2018

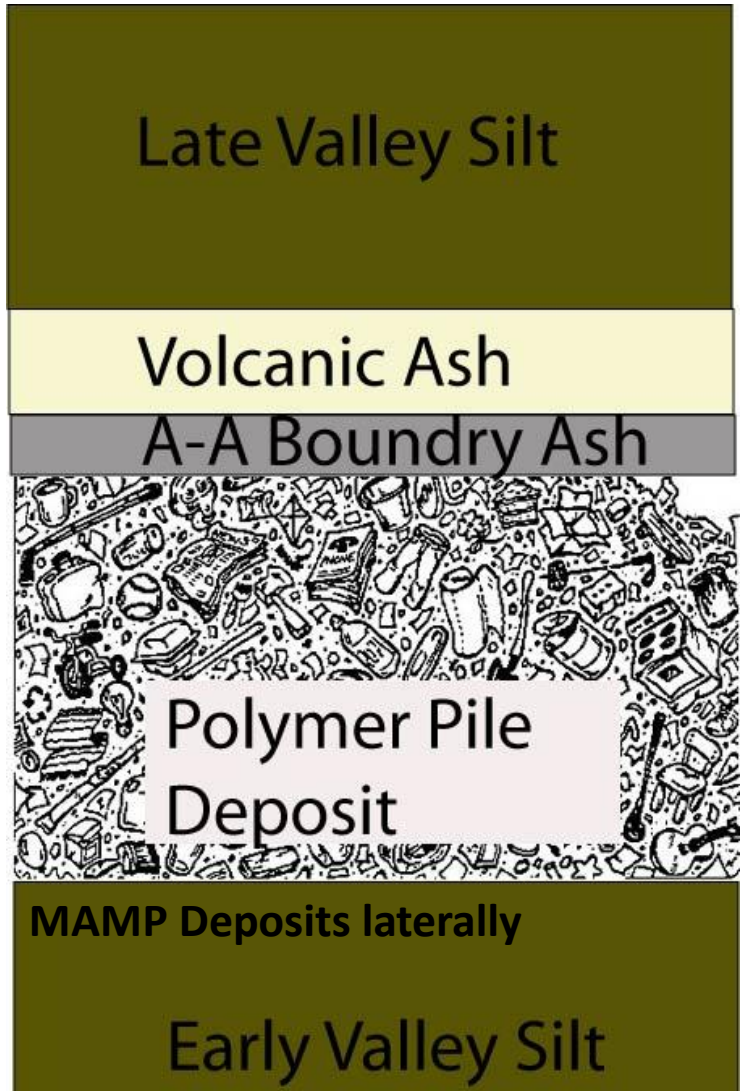
John Deer History

I. 2011 – *Willamette Formation reveals proximity of anthrosols, metallic arthropod migration pathways, and Polymer Pile Deposits (PPD)*

(2011) Ostreatus *et al.,* JCBA

"This proximity-based correlation does not yet show a causation of PPD by Arthropods, but we strongly suggest investigation will lead to greater understanding of PPD genesis"

Fig. 2, Willamette Formation Stratigraphy



I. 2011 – *Willamette Formation reveals proximity of an* [illegible] *hways, and Po*

(2011

"Th
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Fig. 3, Paleoreconstruction of Willamette Fm. ecology

Eocene Boring Volcanics

M. Arthropod migration pathway

Early Valley Silt (Anthrosols)

Short Mountain PPD

Short Mountain Landfill, Lane County

Late Valley Silt

Volcanic Ash

A-A Boundry A

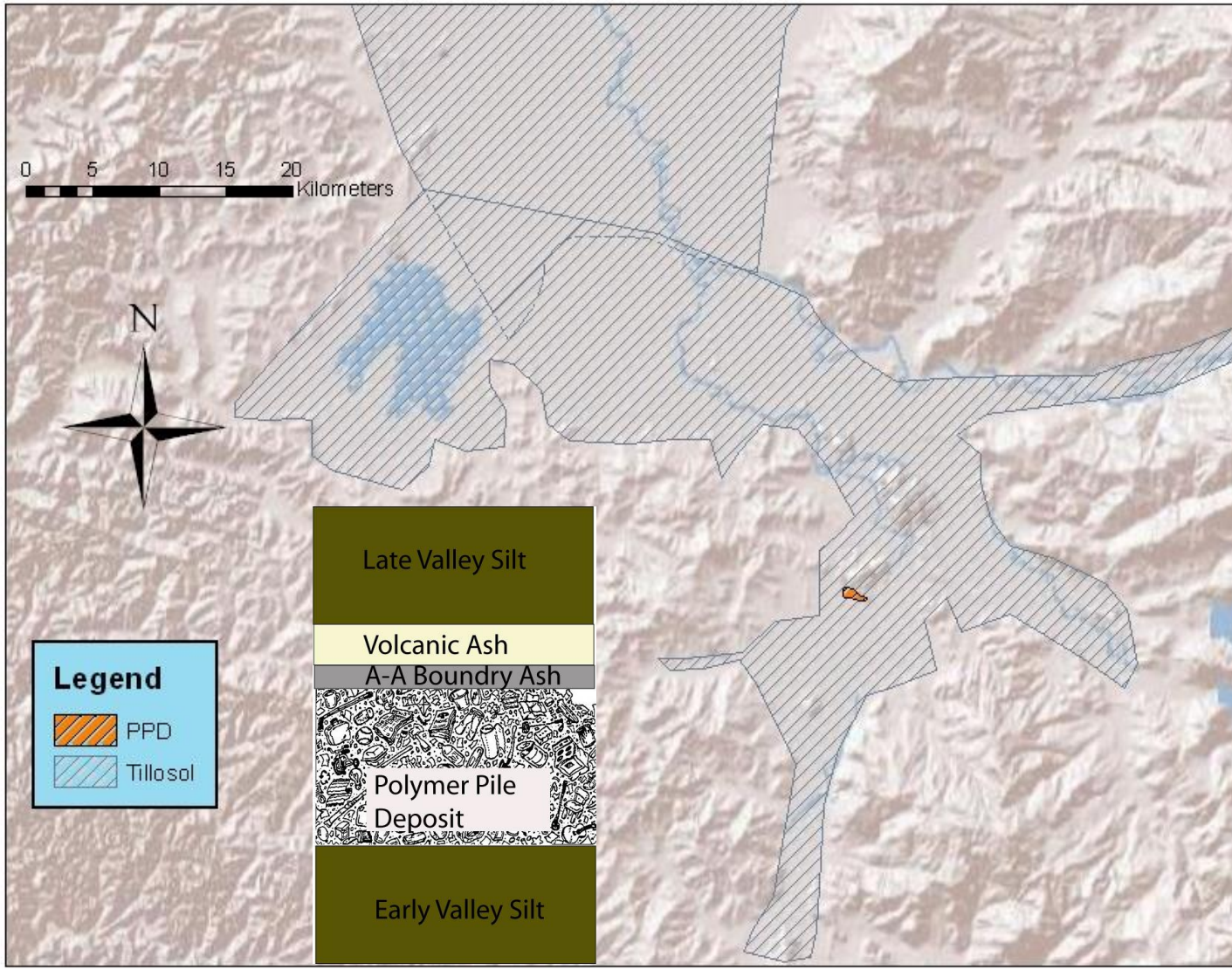
Polymer Pile Deposit

MAMP Deposits laterally

Early Valley Sil

I. What are the current hypotheses?

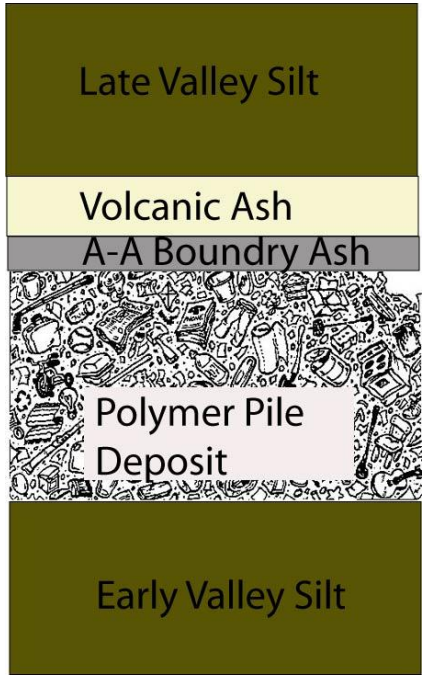
- Anthrosols are probably caused by Metallic Arthropods
- PPD deposits correlate with Both (worldwide)
- Arthropods are also thought to be associated with smaller AAPG deposits
- What are arthropods doing?
- Look at other AAPGs



II. Review of Anthropocene-Apocalyptocene Petroleum Ground (AAPG) Deposits

*special attention ecology and hypotheses regarding ecological origins

A. PPD – found near or within *alfisols*



Best conclusion:

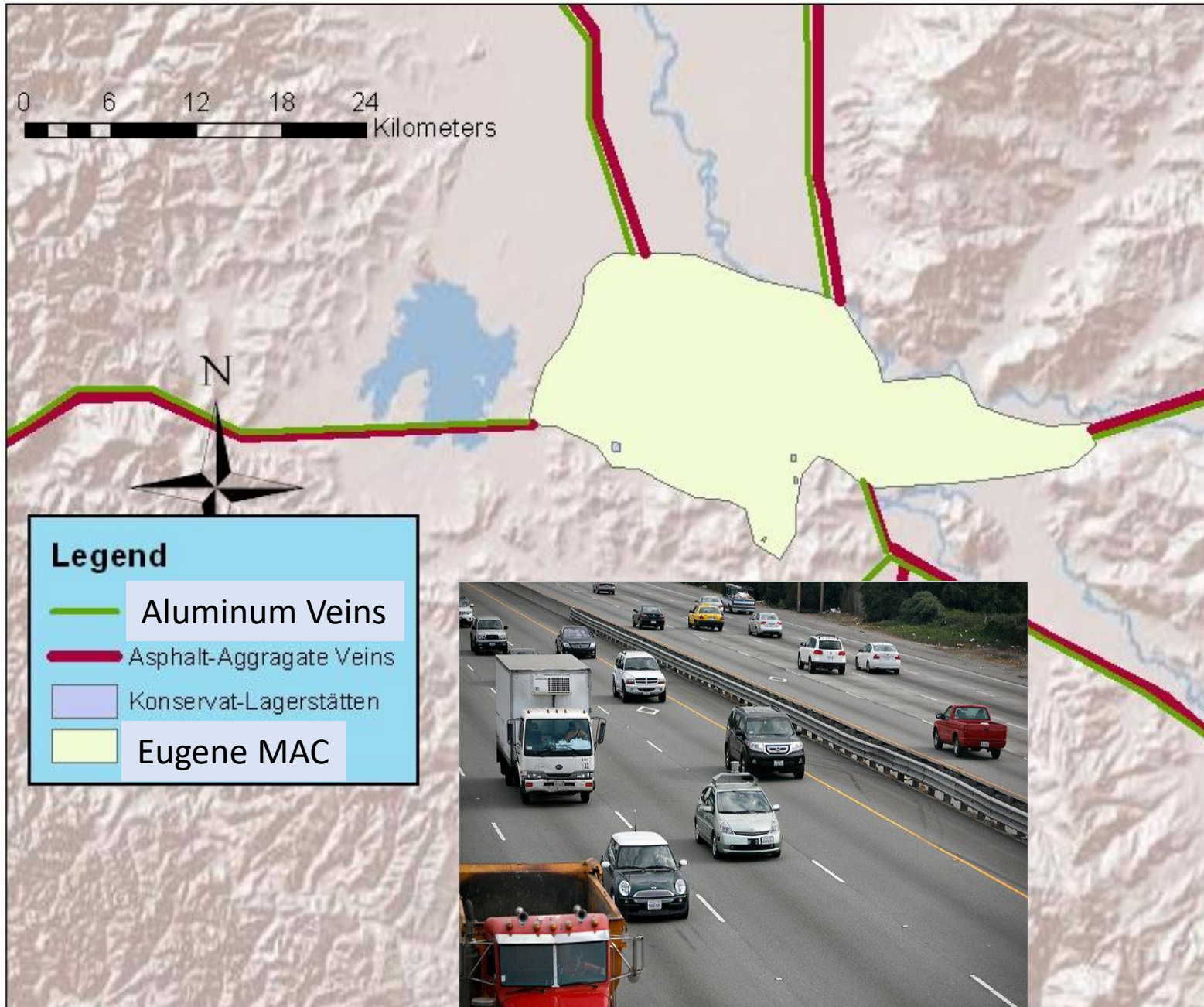
B. AAPG – A-A boundary exclusive, Petro./derivs deposited *on ground surface*

C. MAMP – Metallic Arthropod Migration Pathway
assist in finding MAC Regions

D. MAC Regions – massive regions with varying sizes of metallic-aggregate-carbonate mounds (colonies)

C. Metallic Arthropod Migration Pathways (MAMP)

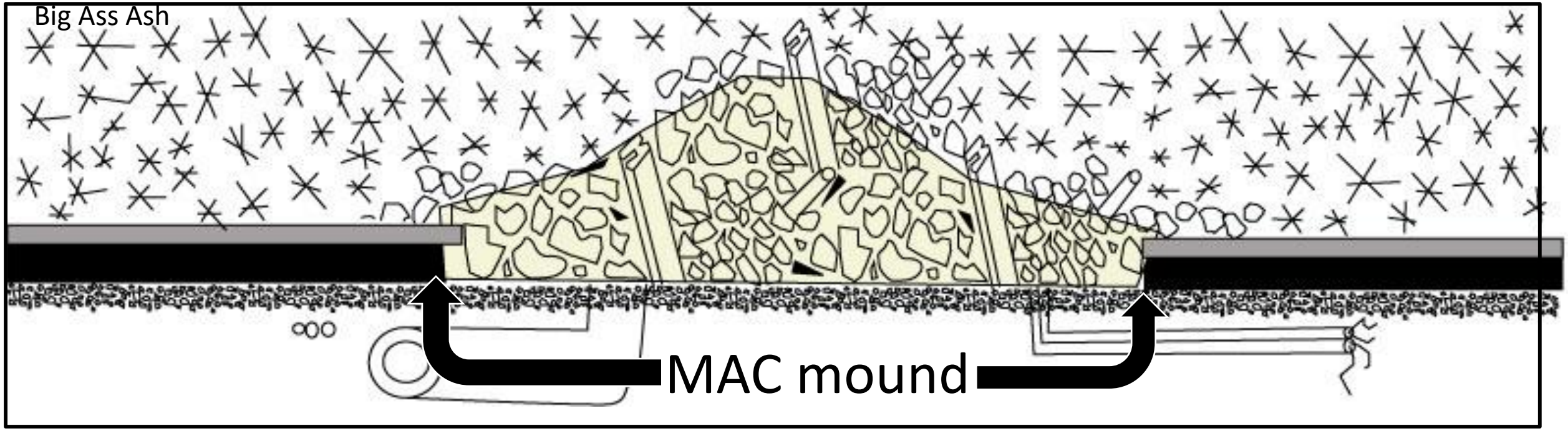
- Far reaching networks connecting major and minor MAC Regions
- Asphalt-aggregate veins **useful, but low-grade**
- Arthropods useful, But are dissiminated Along pathway



C. MAC Region: region containing dense population (?) of metallic-aggregate-carbonate mounds (colonies?)

From (2012) O'Drilscoll, L.E. and *Sulphureus*, *L.T., San Franciscan MAC Region Stratigraphy and Mapping (JCBA)*

Figure 4. Modified by Castonguay for Cascadian section



Economically: asphalt ore is abundant but is low-grade

Disseminated polyurethane throughout

-metallic arthropod genus *Caros* common

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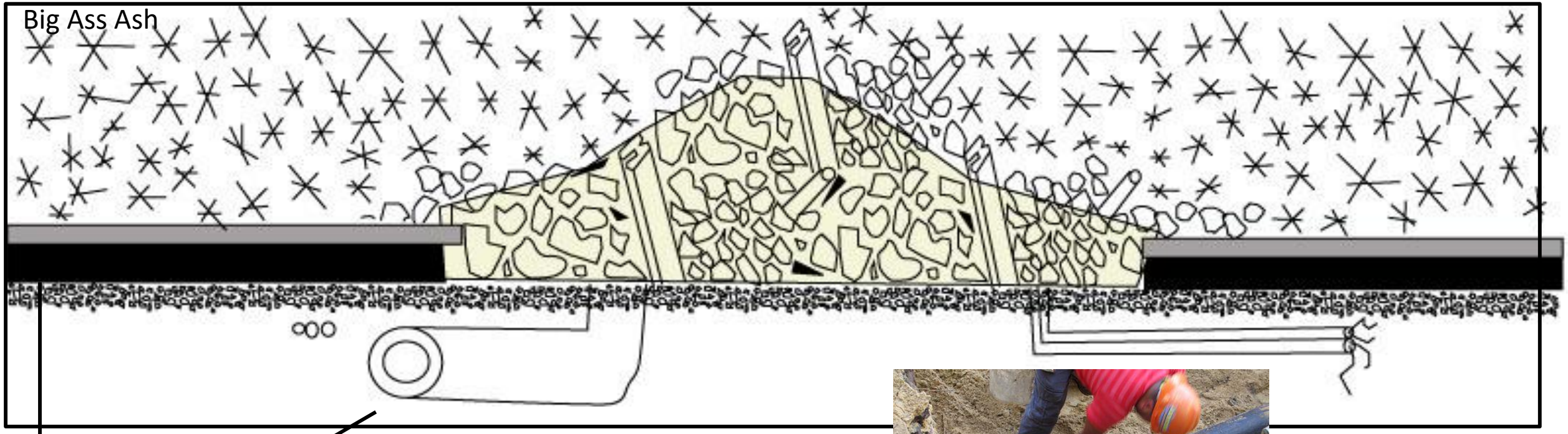

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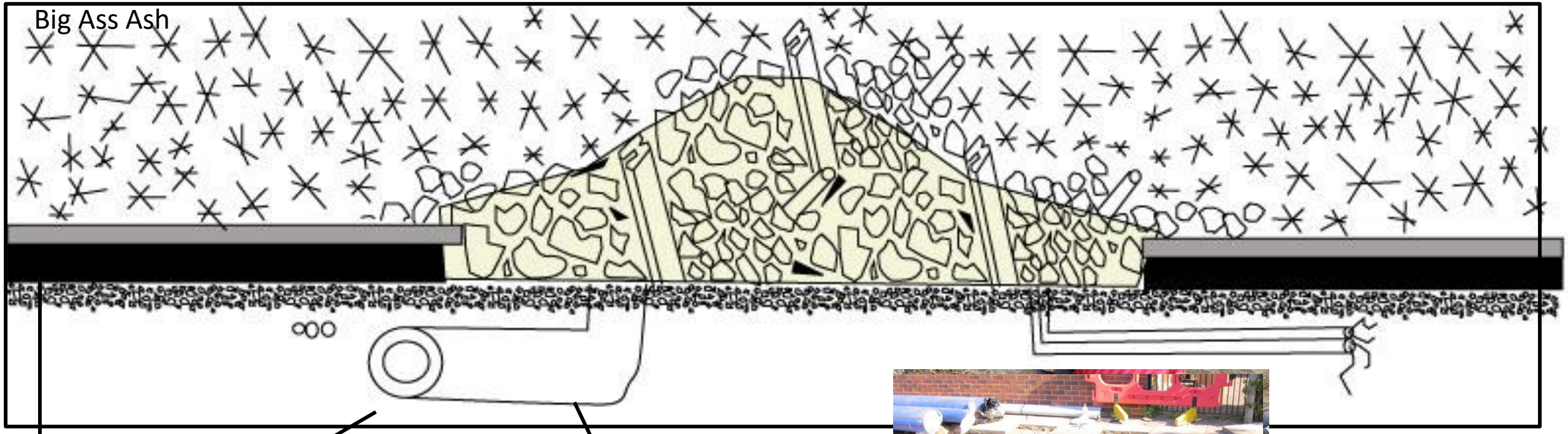

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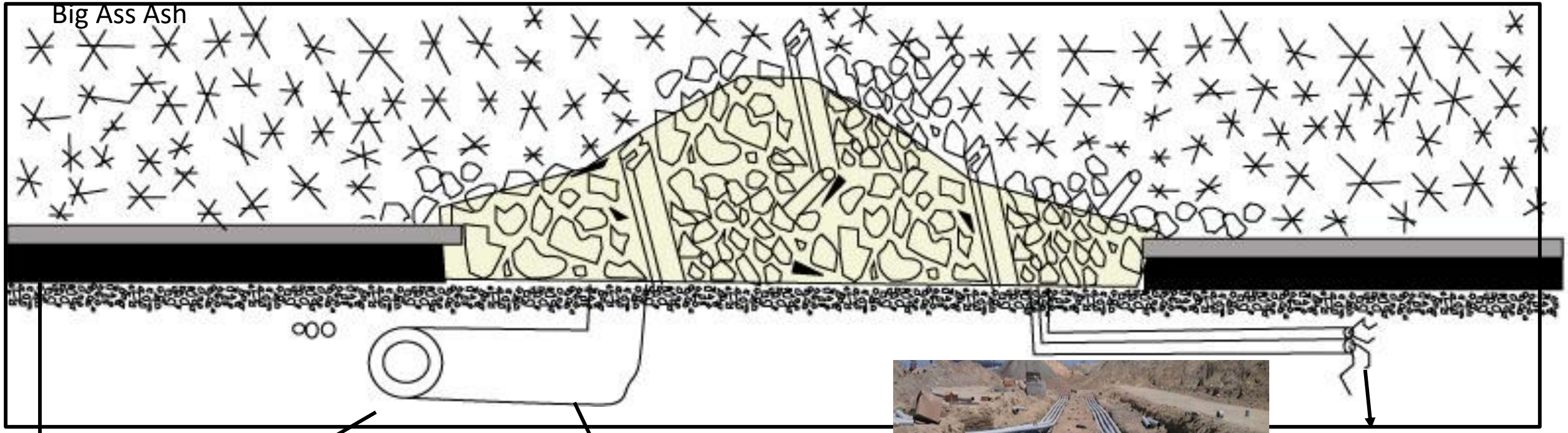


Asphalt

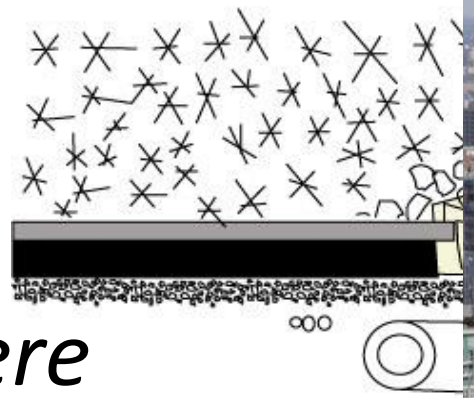
Giant Iron-excreting annelid trace

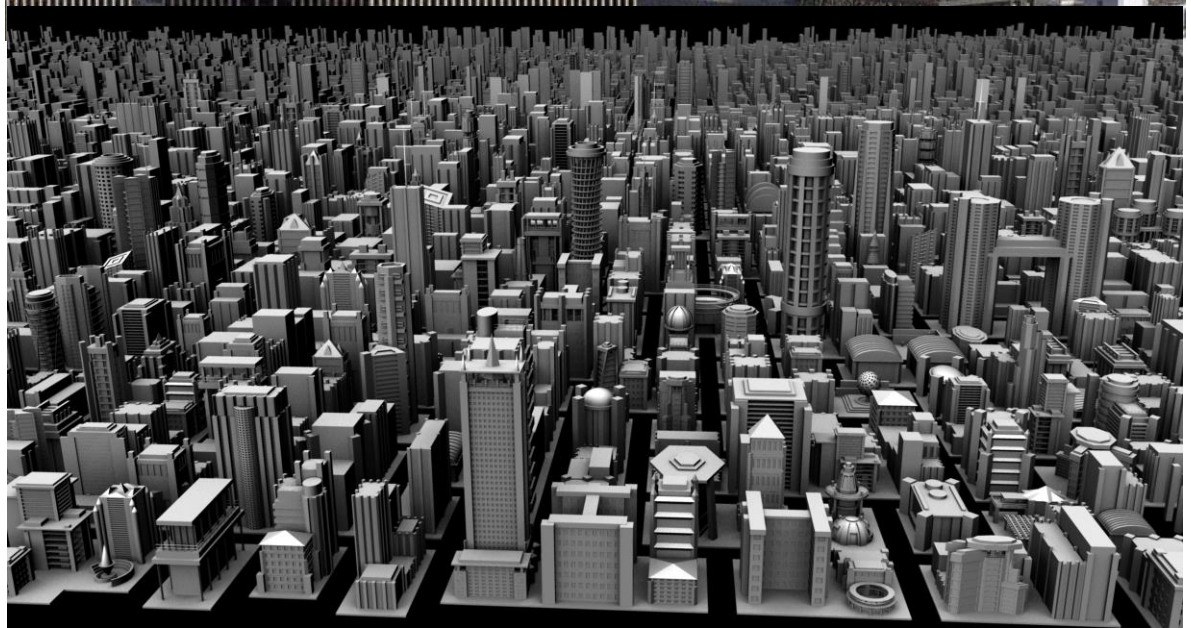
Polyurethane-excreting annelid trace

(twisted) Copper-poly excreting annelid

C. MAC Region: region containing dense population (?) of metallic-aggregate-carbonate mounds (colonies?)

Interpretation?





“the MAC features were likely tall, erect iron-supported sessile organisms That clustered in colonies, Having little or no recoverable AAPG value”

“Homo sapiens *common*”

C. MAC Region: region containing dense population (?) of metallic-aggregate-carbonate mounds (colonies?)

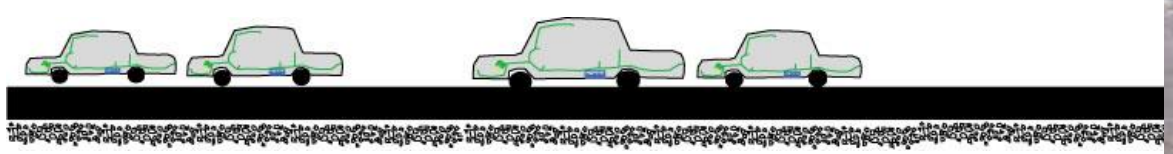
Interpretation?

Central-Coast Cascadia Reconstruction (Portlandia)

C. MAC Region: region containing dense population (?) of metallic-aggregate-carbonate mounds (colonies?)

From (2012) O'Drilscoll, L.E. and *Sulphureus*, *L.T., San Franciscan MAC Region Stratigraphy and Mapping*

"adjacent mound features or interspersed throughout MAC are peculiar congregations of metallic arthropods"



The Parking Lot

C. MAC Region: region containing dense population (?) of metallic-aggregate-carbonate mounds (colonies?)

Anatomy of metallic arthropods, genus *Caros*

-Iron endoskeletal frame with Plexiglass/Iron exoskeleton

- stomach cavity

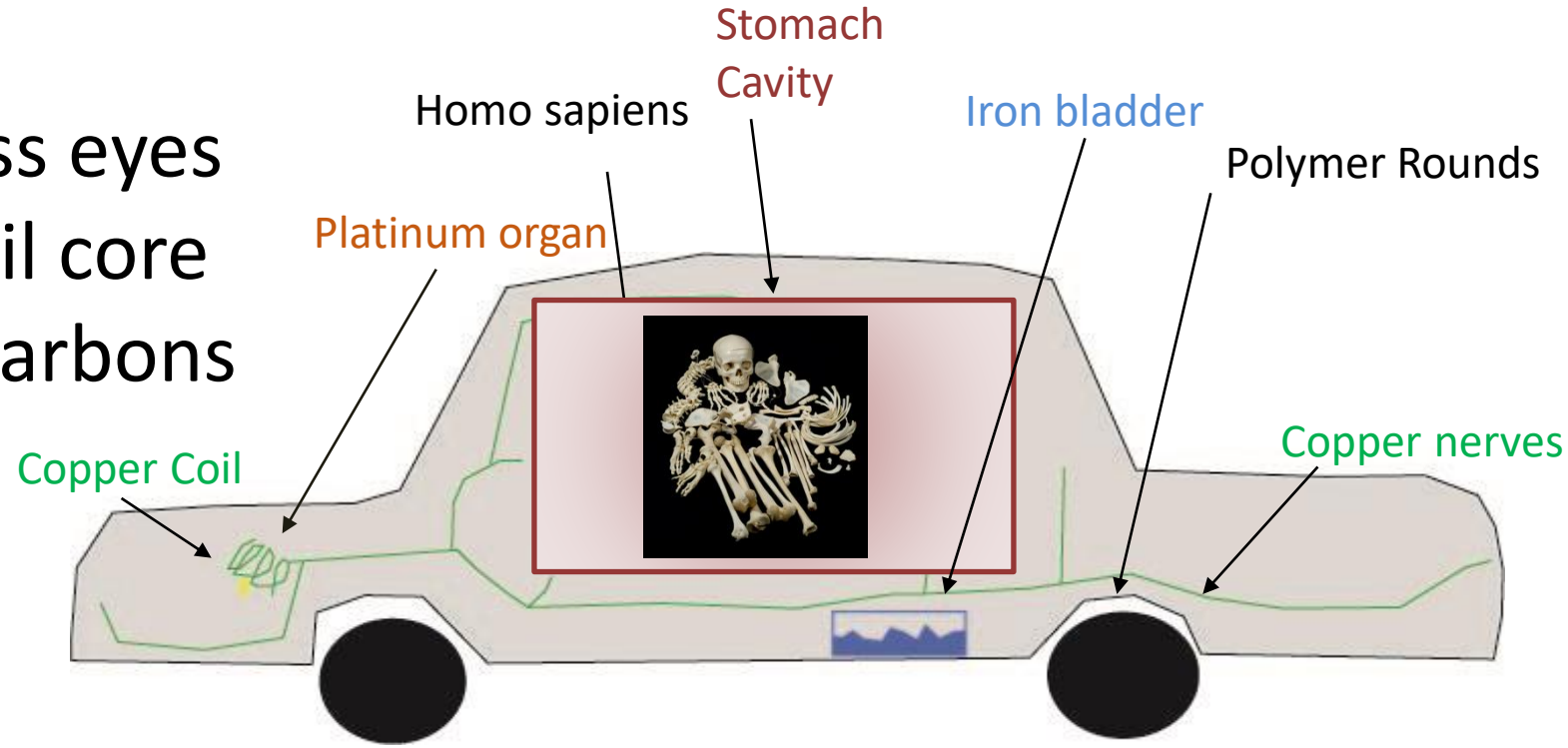
-spectrum emitting glass eyes

-Copper nerves with coil core

-iron-bladder of hydrocarbons

-Platinum chip organ

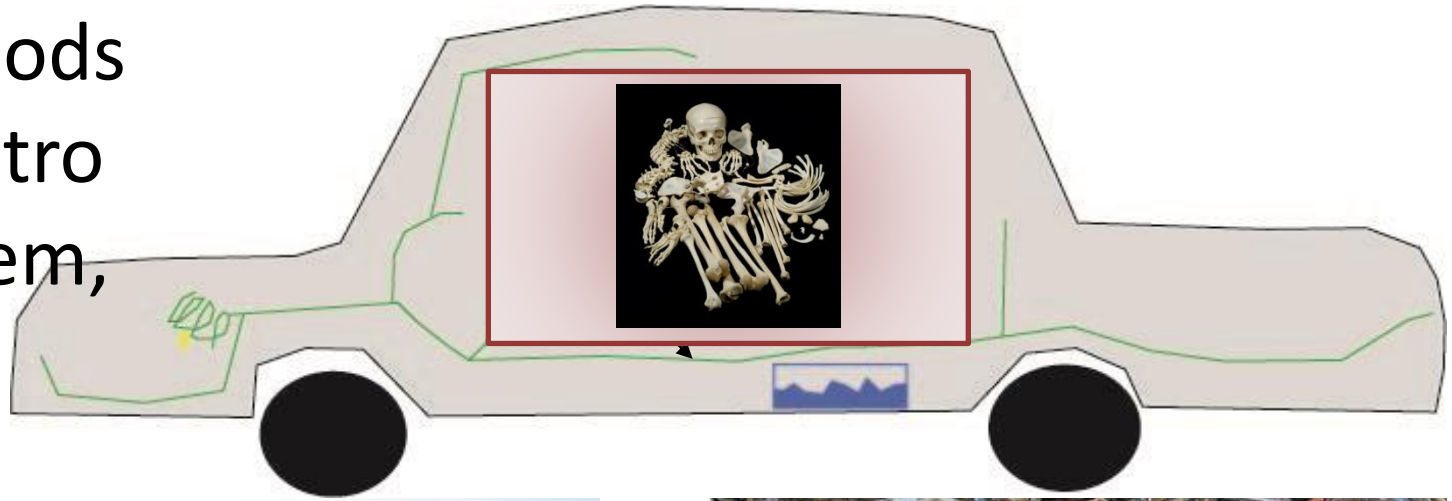
-Polymer Round



C. MAC Region: region containing dense population (?) of metallic-aggregate-carbonate mounds (colonies?)

Anatomy of metallic arthropods, genus *Caros*

What is the metallic arthropods obsession with collecting petro Derivatives, transporting them, Parking lots, and devouring Homo sapiens?



III. Connections with *Homo sapiens*

- Metallic Arthropods prey on *Homo sapiens*, which are often found in the stomach contents
- MAC Regions contain high density of *H. sapiens both within mounds and surrounding*
- Metallic Arthropods of all genus are extremely well-adapted For the singular prey of H. sapiens
- Recall: MAC Regions are connected by Metallic Arthropod pathways, along which are found PPDs and anthrosols
- What were the arthropods doing?

III. Connections with *Homo sapiens*

The *Homo sapiens* **Konservat-Lagerstatten**

Konservat-Lagerstatten:

“deposits known for the exceptional preservation of fossilized organisms or traces”

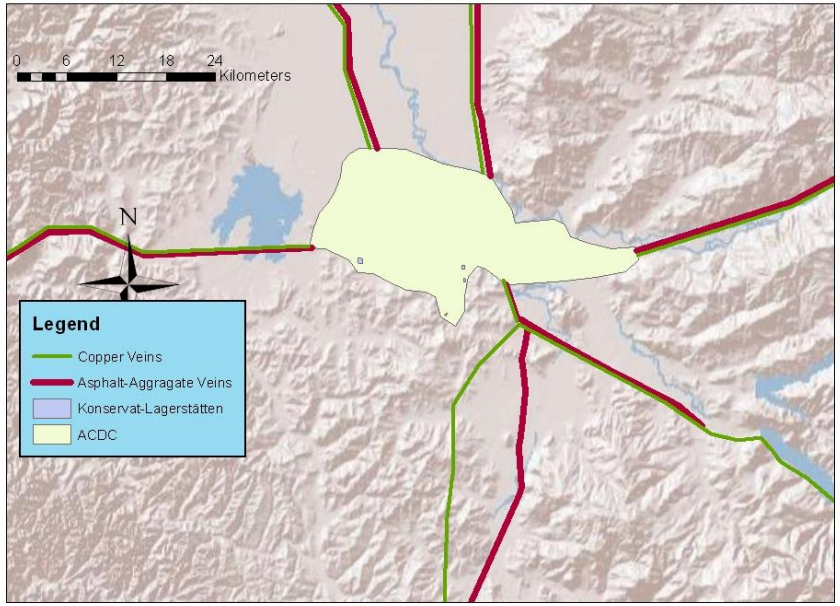
From (2012) Hopkins, S.W., and Edulis, B.A., *Homo sapiens paleogeography and biomechanics during the late Holocene-Anthropocene climactic transition (JCBA)*

-Marked by various lithologies of stone

-arranged and ordered for Optimal conditions

-near or within MAC Region

-large colonies common



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From (2012) Hopkins, S.W., and Edulis, B.A.*, Homo sapiens paleogeography and biomechanics during the late Holocene-Anthropocene climactic transition (JCBA)*

"The Homo sapiens was a burrowing primate that foraged MAC regions and was well-adapted to tolerating living inside predators stomachs"

III. Connections with *Homo sapiens*

The *Homo sapiens* **Konservat-Lagerstatten**

From (2012) Hopkins, S.W., and Edulis, B.A., *Homo sapiens paleogeography and biomechanics during the late Holocene-Anthropocene climactic transition (JCBA)*

Really?

What do we know of the relationship

Between *H. sapiens* and metallic arthropods?

Concluding Questions

Was *Homo sapiens* actually a willing participant inside the metallic arthropod(s)?

Were *Homo sapiens* in control of the metallic arthropods, creating the anthrosols and PPDs?

Did *Homo sapiens* transport petroleum derivatives along Metallic Arthropod Migration Pathways to MAC Regions?

Was *Homo sapiens* responsible the Anthropocene-Apocolyptocene Petroleum Ground deposition?

Were they responsible for many of the odd things we see in the Anthropocene?

Were the *Homo sapiens*, *not the metallic arthropods*, then, responsible for the A-A mass extinction,
not just a species that suffered the extinction?

Did *Homo sapiens* believe they were the culmination of species, only to ensure their own demise by gluttony?

How did *H. Sapiens* do this? Why did they do this?

With all of the arrangement of deposits, one must ask “Was *Homo sapiens* terraforming the earth for *US*?”